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Detroit College of Medicine and Surgery

Detroit, Michigan

Bulletin No. 6, September, 1916

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UNIVERSITY OF ILLINOIS

UNIVERSITY OF ILLINOIS
JAN 20 1917

Catalogue and Announcements
For 1916-1917

Published by the Board of Trustees

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Calendar

1915

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Detroit College of Medicine and Surgery

Organization and Purpose of The Detroit College of Medicine and Surgery

The Detroit College of Medicine and Surgery was organized in 1913 for the purpose of succeeding to the educational work carried on for the past forty years, or thereabout, in Detroit, by the Detroit College of Medicine and its immediate predecessors. The former institutions were organized on a stock basis; this was done not with the idea that they should be dividend paying concerns, for any moneys received were put back into the work itself, but because at the time they were started this was the approved way of getting people interested in educational projects.

The present organization is different. It has been perfected under Chapter 218 of the Compiled Laws of 1897, entitled an Act to provide for the incorporation of Institutions of Learning. There is no stock. A gift of one hundred dollars ($100), or more, entitles the giver to a membership during his lifetime, but all moneys received are purely gifts. The corporate papers show that the institution relies solely on donations and endowments. As originally incorporated, these amounted to something over one hundred thousand dollars ($100,000). Much more is needed to keep up with the growth of the institution and to enable deserving and well equipped men, without financial resources, to obtain a good medical education in this city.

It is generally accepted by the leading medical men in this country and in Europe that a good medical school is a great advantage to any community, and helps materially to keep hospital work up to a proper standard. It is the aim of the Trustees of this institution to see that this school fills the need of Detroit in this respect. In this aim, it is hoped that the general public will be interested and those who can afford to give will do so.

A gift of two thousand five hundred dollars ($2,500) to the institution will endow a scholarship, paying for the education of a student not otherwise financially able to enter the college. Some of these scholarships have already been given. All endowment funds are invested under the direction of the Board of Trustees, which is controlled by men of experience.

Board of Trustees

Sidney T. Miller ..... *President*
Burt R. Shurly, M. D. ..... *Vice-President*
Frank B. Walker, M. D. ..... *Secretary*
Emory W. Clark ..... *Treasurer*

James B. Book, M. D.*
Henry M. Campbell
J. Henry Carstens, M. D.
Ray E. Danaher
John M. Dwyer
Edwin S. George
David Gray
Charles G. Jennings, M. D.
Henry B. Joy
Alexander I. Lewis
Angus McLean, M. D.
Philip H. McMillan
Charles Moore
J. Brooks Nichols
Murray W. Sales
Bryant Walker
William C. Williams*

EXECUTIVE COMMITTEE

Sidney T. Miller
Henry M. Campbell
Burt R. Shurly, M. D.
Emory W. Clark
Frank B. Walker, M. D.

AUDITING COMMITTEE

Edwin S. George
Ray E. Danaher

ENDOWMENT COMMITTEE

Henry B. Joy
Alexander I. Lewis
John M. Dwyer

*Deceased.

Announcements for 1915-1917

The session of 1915-1916 began September 20, 1915, with the registration of students.
Lectures, Recitations and Clinics began Wednesday, September 22nd.
The Holiday vacation began on the evening of December 23rd.
Work was resumed January 3, 1916.
January 29, 1916, First Semester ended.
January 31, 1916, Second Semester began.
February 22, 1916, Washington's Birthday, holiday.
April 7-10, 1916, Easter vacation.
May 25, 1916, Second Semester ended.
June 8, 1916, Commencement Exercises.
The session of 1916-1917 will begin September 25, 1916.
The first two days will be given over to matriculation and registration of students.
Lectures, Recitations, Laboratory work and Clinics will begin Wednesday morning, September 27, 1916.
No student will be admitted to classes until he has been properly registered. Students who fail to register on or before the days designated will miss essential parts of the work. A penalty will be exacted from those who are not present during the first week.

No students will be admitted for the regular course after October 4, 1916.

Saturday, October 7, 1916, supplementary examinations.
Saturday, October 14, 1916, Field Day.
Thanksgiving vacation will include Thanksgiving Day, Friday and Saturday following.
The Holiday vacation will begin on the evening of December 22, 1916. Work will be resumed on the morning of January 3, 1917.
November 22, 1916, First Semi-Semester ends.
February 1, 1917, First Semester ends.
February 2, 1917, Second Semester begins.
February 22, 1917, Washington's Birthday, holiday.
April 2, 1917, Third Semi-Semester ends.
April 6-9, 1917, Easter vacation.
May 30, 1917, Memorial Day.
May 31, 1917, Second Semester ends.
June 7, 1917, Commencement Exercises.
The session of 1917-1918 will begin September 24, 1917.

Faculty and Teaching Staff

The Teaching Staff of the Detroit College of Medicine and Surgery has been divided and sub-divided into ten departments and eleven sub-departments, the heads of which constitute the Faculty.

EMERITUS PROFESSORS

THEODORE A. McGRAW, A. B., M. D., LL. D., F. A. C. S.
Emeritus Professor of Surgery

A. B., University of Michigan, 1859; M. D., College of Physicians and Surgeons of New York, 1863; LL. D., University of Michigan, 1905; Professor of Surgery in the Detroit Medical College, 1868-1865; Professor of Surger y in the Detroit College of Medicine, 1885-.....; Attending and Consulting Surgeon to Harper and St. Mary's Hospitals, 1868-.....

JAMES BURGESS BOOK, M. D.*
Emeritus Professor of Surgery

M. D., Jefferson Medical College, 1865; L. C. P. S., Canada, 1865; Professor of Surgery in the Michigan College of Medicine, 1879-1885; Professor of Surgery in the Detroit College of Medicine, 1885-1894; Attending Surgeon to the Michigan College of Medicine Hospital, 1879-1885; Attending Surgeon to Harper Hospital, 1886-1894.

ERNEST T. TAPPEY, A. M., M. D.
Emeritus Professor of Surgery

A. B., University of Michigan, 1873; A. M., same, 1876; M. D., College of Physicians and Surgeons, New York, 1879; Professor of Surgery, Detroit College of Medicine, 1892-1900; Attending Surgeon to Harper Hospital, Detroit, 1881-1905.

CHARLES DOUGLAS, M. D.
Emeritus Professor of Pediatrics

M. D., Toronto University, 1864; Professor of Diseases of Children, Michigan College of Medicine, 1880-1885; Professor of Pediatrics, Detroit College of Medicine, 1885-1913; Attending Physician to Harper Hospital, twelve years; Consulting Physician to Harper Hospital and Attending Physician to Protestant Orphan Asylum.

GEORGE DUFFIELD, M. D.
Emeritus Professor of Clinical Medicine

M. D., Detroit Medical College, 1882; Professor of Pathology in the Detroit College of Medicine, 1885-1889; Professor of Clinical Medicine, in the Detroit College of Medicine, 1889-1911; Attending Physician to Harper Hospital, 1886-1910; Consulting Physician to Harper Hospital, 1910-....; Consulting Physician to Women's Hospital and Infants' Home.

F. LYDSTON NEWMAN, M. D.
Emeritus Professor of Pharmacology and Therapeutics

M. D., Detroit College of Medicine, 1887; Professor of Materia Medica and Therapeutics, Detroit College of Medicine, 1891-1910; Emeritus Professor of Materia Medica and Therapeutics, same, 1910-1913.

ARTHUR D. HOLMES, M. D. C. M.
Emeritus Professor of Pediatrics

M. D., C. M., McGill University, Montreal, 1889; ex-Lecturer and ex-Professor of Pediatrics in the Michigan College of Medicine and Surgery; Attending Physician to the Children's Free Hospital, ...-1915; Assistant Attending Pediatrician to Woman's Hospital and Infants' Home, 1910-....

*Deceased.

PROFESSORS

J. HENRY CARSTENS, M. D., F. A. C. S., PRESIDENT

Professor of Abdominal and Pelvic Surgery and Head of the Department of Gynecology

M. D., Detroit Medical College, 1870; Lecturer on Skin and Nervous Diseases, 1875-1877; Lecturer on Differential Diagnosis, 1878; Professor of Therapeutics, 1879; Professor of Obstetrics and Clinical Gynecology in Detroit Medical College and Detroit College of Medicine, 1881-1901; Professor of Surgical Gynecology, same, 1901-1913; Gynecologist to Harper Hospital, 1884; Chief of Staff, same, 1893-1911; Obstetrician to Woman's Hospital and Providence Hospital, 1886; Consulting Gynecologist to Harper Hospital, 1912; President of American Association of Obstetricians and Gynecologists, 1895; President of the Michigan State Medical Society, 1910; Member of the Royal Society of Medicine.

BURT RUSSELL SHURLY, B. S., M. D., F. A. C. S., DEAN

Professor and Head of the Sub-Department of Rhinology, Laryngology and Otology

B. S., University of Wisconsin; M. D., Detroit College of Medicine, 1895; F. A. C. S., American College of Surgeons, 1913; Instructor and Lecturer on Physiology in the Detroit College of Medicine, 1895-1902; Adjunct Professor of Laryngology and Clinical Medicine, 1902-1913; Attending Physician to Detroit Tuberculosis Sanitarium. Attending Laryngologist to Harper Hospital, Children's Free Hospital, Woman's Hospital and Providence Hospital; Acting Assistant Surgeon, U. S. A. and U. S. N.; P. A. Surgeon and Chief Surgeon, M. S. N. B., 1900-1911.

FRANK B. WALKER, Ph. B., M. D., F. A. C. S.

Professor of Surgery and Head of the Sub-Department of Experimental Surgery

Ph. B., University of Michigan, 1890; M. D., Detroit College of Medicine, 1892; F. A. C. S., American College of Surgeons, 1913; Assistant Demonstrator of Anatomy, 1892-1896; Demonstrator of Operative Surgery, 1896-1905; Adjunct Professor of Operative Surgery, 1905-1907; Professor of Operative Surgery and Clinical Surgery in the Detroit College of Medicine, 1907-1913; Assistant Surgeon to St. Mary's Hospital, 1892-1907; Attending Surgeon to St. Mary's Hospital, 1907-....; Attending Surgeon to Providence Hospital, 1910-....; Registrar of Detroit College of Medicine, 1892-1912; Secretary of same, 1912-1915.

DANIEL LAFERTE, M. D., F. A. C. S., OFFICIER DE L'ACADAMIE FRANCAIS

Professor and Head of the Sub-Department of Orthopedic Surgery

M. D., Jefferson Medical College, 1871; Assistant Demonstrator of Anatomy in Detroit Medical College, 1872-3; Demonstrator, Lecturer and Professor of Anatomy, same; Professor of Anatomy, Orthopedic Surgery and Clinical Surgery in the Detroit College of Medicine; Attending Surgeon, Harper Hospital, Detroit, for twenty-five years; Orthopedic Surgeon to Children's Free Hospital, Detroit, twenty-five years; Orthopedic Surgeon, Providence Hospital, Detroit, 1910-....

JOHN E. CLARK, M. D., F. C. S. (Berlin)

Emeritus Professor of Chemistry and Professor of Medical Jurisprudence and Head of the Sub-Department of Jurisprudence, Ethics and Economics

M. D., University of Michigan, 1877; F. C. S., (Berlin), 1885; Professor of Chemistry and Physics, Michigan College of Medicine; same, Detroit College of Medicine; Professor of Toxicology, Detroit Technical Institute; Analyst, County of Wayne; ex-Surgeon General of Michigan National Guard.

CHARLES G. JENNINGS, M. D.

Professor and Head of the Department of Medicine

M. D., Detroit Medical College, 1879; Professor of Chemistry in Detroit Medical College, 1882-1888; Professor of Physiology in Detroit College of Medicine, 1887-1893; Professor of Practice of Medicine and Diseases of Children in Detroit College of Medicine, 1893-1912; Attending Physician to St. Mary's Hospital, 1896-1898; Attending Physician to Harper Hospital; Consulting Physician to Woman's and Children's Free Hospitals.

AUGUSTUS WRIGHT IVES, M. D.

Professor and Head of the Sub-Department of Neurology and Psychiatry

M. D., Detroit College of Medicine, 1891; Professor of Physiology and Neurology in the Detroit College of Medicine; Formerly Professor of Art Anatomy in the Art School of the Detroit Art Museum; Visiting Neurologist to St. Mary's and Providence Hospitals.

STANLEY G. MINER, M. D.

Professor of Rhino-Laryngology

M. D., Detroit Medical College, 1882; Professor of Laryngology, Rhinology and Physical Diagnosis, Detroit College of Medicine, 1890-1913; Junior Surgeon, Nose, Throat, and Chest Department, St. Mary's Hospital and Free Dispensary, 1882-1890; Senior Surgeon, same, 1890-....

FREDERICK WRIGHT ROBBINS, A. M., M. D., F. A. C. S.

Professor and Head of the Sub-Department of Urology

A. B., Wesleyan University, 1880; A. M., Wesleyan University, 1883; M. D., Detroit Medical College, 1884; F. A. C. S., Chicago, 1913; Associate Professor of Chemistry, Detroit Medical College, 1884; Professor of Genito-Urinary Diseases in the Detroit College of Medicine, 1900-1913; Surgeon to St. Mary's Hospital, 1906-1913; Urologist to St. Mary's Hospital, 1913.

ANDREW PORTER BIDDLE, M. D.

Professor and Head of the Sub-Department of Dermatology and Syphilology

M. D., Detroit College of Medicine, 1886; Major and Surgeon of the 31st Michigan Volunteer Infantry, War with Spain, 1898; Instructor in Dermatology; Associate Professor and Professor of Dermatology and Syphilology, Detroit College of Medicine, 1902-1913; Dermatologist to St. Mary's, Children's and Woman's Hospitals; Consulting Dermatologist to Detroit Board of Health and Protestant Orphan Asylum; Member of Michigan State Board of Health.

ANGUS McLEAN, M. D., F. A. C. S.

Professor and Head of the Department of Surgery

M. D., Detroit College of Medicine, 1886; Demonstrator of Anatomy in the Detroit College of Medicine, 1891 - 1900; Junior Surgeon to Harper Hospital, 1892-1907; Attending Surgeon to Harper Hospital, 1907-....; same, Children's Free Hospital; President Michigan State Board of Health, 1907-1911.

DON M. CAMPBELL, M. D., L. R. C. S. (Edinburgh)

Professor of Ophthalmology and Otology, and Head of the Sub-Department of Ophthalmology

M. D., Detroit College of Medicine, 1885; L. R. C. S., Edinburgh, 1886; Professor of Ophthalmology and Otology in the Detroit College of Medicine, 1907-1913; Attending Oculist and Aurist to Harper Hospital.

PRESTON M. HICKEY, A. B., M. D.

Professor and Head of the Sub-Department of Roentgenology

A. B., University of Michigan, 1888; M. D., Detroit College of Medicine, 1892; Lecturer on Pathology, same, 1895-1905; Professor of Pathology, Roentgenology and Clinical Professor of Laryngology 1905-1913; Roentgenologist to Harper, St. Mary's and Children's Free Hospitals.

WALTER PORTER MANTON, M. D., F. A. C. S., F. Z. S.

Professor and Head of the Department of Obstetrics

M. D., Harvard University, 1881; F. Z. S., London, England, 1887; F. A. C. S., 1913; Gynecologist to Harper Hospital, 1889; Formerly President, Medical Board, and Visiting Obstetrician, Woman's Hospital and Infants' Home, 1886; Gynecologist, Pontiac State Hospital, 1889, and Traverse City State Hospital, 1890; Consulting Gynecologist, St. Joseph's Retreat, 1896.

GUY L. KIEFER, A. M., M. D., D. P. H.

Professor and Head of the Department of Preventive Medicine, Public Health and Infectious Diseases

A. B., University of Michigan, 1887; A. M., same, 1891; M. D., same, 1891; D. P. H., same, 1911; Instructor and Lecturer on Hygiene, Detroit College of Medicine; Adjunct Professor, Hygiene and Infectious Diseases and Clinical Professor of Medicine, same, 1906-1913; Lecturer on Contagious Diseases, Detroit Post-Graduate School; Attending Physician for Contagious Diseases, Harper Hospital, 1905-....; Consulting Physician for same to Children's Free Hospital, to Woman's Hospital and Infants' Home; Consulting Physician to Grace Hospital and Attending Physician to Herman Kiefer Hospital; President of the Michigan State Medical Society, 1913; President of the Michigan Health Officers' Association; Health Officer, City of Detroit, 1901-1913.

CHARLES D. AARON, M. D., Sc. D.

Professor of Gastroenterology

M. D., University of Buffalo, 1891; Postgraduate University of Berlin, Germany, 1893-1895; Sc. D., University of Heidelberg, 1909; Lecturer on Materia Medica, 1896-1904; Adjunct Professor of Dietetics, 1904-1913, and Professor of Gastroenterology 1896-1916, in the Detroit College of Medicine; Consulting Gastroenterologist to Harper Hospital, 1896-....; Founder, American Gastro-enterological Association; ex-President Northern Tri-State Medical Association; Fellow of West London Medico-Chirurgical Society.

LOUIS JACOB HIRSCHMAN, M. D., F. A. C. S.

Professor and Head of the Sub-Department of Proctology

M. D., Detroit College of Medicine, 1899; F. A. C. S., 1913; Proctologist to Harper Hospital and to the Hannah Schloss Dispensary; Consulting Proctologist to Wayne County Hospital; President American Proctologic Society, 1911.

PLINN F. MORSE, A. M., M. D.

Professor and Head of the Department of Pathology and Bacteriology

A. B., University of Michigan, 1907; M. D., same, 1909; A. M., same, 1910; Instructor in Pathology, same, 1909-1910; Pathologist to St. Mary's and Children's Free Hospital, 1911-1914; Consulting Pathologist to the Detroit Tuberculosis Sanitarium and Woman's Hospital; Junior Pathologist to Harper Hospital, 1912-1914; Attending Pathologist to Harper Hospital, 1914-....

JOSEPH H. HATHAWAY, A. M., M. D., SECRETARY

Professor and Head of the Department of Anatomy, Histology and Embryology

A. B., Iowa College, 1894; A. B., Harvard University, 1896; A. M., Harvard University, 1897; M. D., Johns Hopkins Medical School, 1901; Instructor in Anatomy in Cornell University, 1905-1909; Assistant in Histology and Embryology in Cornell University, 1905-1906; Professor of Anatomy, Histology and Embryology in the University of Louisville, 1909-1913; Resident House Officer of Johns Hopkins Hospital, 1901-902; Resident Pathologist to the Free Hospital for Women, Brookline, Mass., 1903-1904; Member of American Association of Anatomists, 1906-....; Secretary of the Detroit College of Medicine and Surgery, 1915-....

WILLIAM FREDERICK KOCH, Ph. D.

Professor and Head of the Department of Physiology

A. B., University of Michigan, 1909; A. M., same, 1910; Ph. D., University of Michigan, 1915; Assistant in Physiology, University of Michigan, 1909-1910; Instructor in Histology, same, 1911-1913; Chair of Histology as substitute, same, 1911-1912.

B. RAYMOND HOOBLER, A. M., M. D.

Professor and Head of the Sub-Department of Pediatrics

B. S., Wabash, 1901; A. M., same, 1903; M. D., Cornell University, 1905; ex-Instructor in Medicine, same; ex-Assistant in Pediatrics, Columbia University; Attending Physician to the New York Children's Hospital; Assistant Physician to the Willard Parker Hospital for Contagious Diseases; Attending Pediatrist to the Lincoln Hospital, and Adjunct Assistant Attending Physician to the Pediatric Division of Bellevue Hospital, New York City; Attending Physician, Children's Free Hospital; Attending Pediatrist, Woman's Hospital and Infants' Home; Consulting Pediatrist to Harper Hospital.

CHESTER ARTHUR DOTY, B. S., M. S.

Professor and Head of the Department of Chemistry

B. S., University of Michigan, 1910; M. S., same, in Physiological Chemistry and Bacteriology, 1913; Instructor and Teaching Assistant, University of Michigan, 1910-1913.

WALTER H. MacCRAKEN, M. D.

Professor and Head of the Department of Pharmacology and Therapeutics

M. D., University of Louisville, 1903; Professor of Physical Sciences, Benton Harbor College, 1894-1896; Professor of Physiography, Minnesota State Normal College, 1896-1898; Professor of Physical Sciences, same; 1898-1899; Assistant in Physiology, University of Buffalo, 1900-1902; Professor and Head of the Department of Physiology and Histology, University of Louisville, 1908-1911; Professor and Head of the Department of Physiology and Pharmacology, same, 1911-1913; Professor of Physiology and Pharmacology, Secretary and Registrar, Baylor University, 1913-1914.

CLINICAL PROFESSORS

EUGENE SMITH, M. D., F. A. C. S.

Clinical Professor of Ophthalmology and Otology at St. Mary's Hospital

M. D., University of Buffalo, 1866; Professor of Ophthalmology and Otology, Detroit College of Medicine, 1882-1913; Consulting and Acting Ophthalmologist to St. Mary's, Providence and Harper Hospitals, and Woman's Hospital and Infants' Home, 1879-1913; Founder of the Ophthalmalogical, Aural and Laryngological Section of the American Medical Association.

DAVID INGLIS, M. D.

Clinical Professor of Neurology and Psychiatry at St. Mary's Hospital

M. D., Detroit Medical College, 1871; M. D., Bellevue Hospital Medical College, 1872; Instructor in Histology, 1875-1879; Professor of Practice of Medicine in Detroit Medical College, 1877-1885; Professor of Neurology and Psychiatry in the Detroit College of Medicine. 1885-....; Attending Neurologist, Harper Hospital, Detroit, for many years; Consulting and Attending Neurologist, St. Mary's Hospital for several years.

JOHNSTON B. KENNEDY, M. D.

Clinical Professor of Surgery at Grace Hospital

Ph. C., Ontario College of Pharmacy, 1879; M. D., Detroit Medical College, 1885; Consulting Surgeon to Grace Hospital Polyclinic; President, Detroit Board of Health; First Lieutenant in the Medical Reserve Corps of the Army of the United States.

HOWARD WILLIAM LONGYEAR, M. D., F. A. C. S.

Clinical Professor of Gynecology at Harper Hospital

M. D., College of Physicians and Surgeons, New York, 1875; F. A. C. S., Chicago, Illinois, 1913; Clinical Professor of Gynecology, Detroit College of Medicine; Gynecologist to Harper Hospital, 1875-1911; Surgeon, same, Department of Nephrocolic Displacements, 1911-....; Obstetrician to the Woman's Hospital, 1882-1900; Consulting Obstetrician, same, 1900-1913; Gynecologist to Providence Hospital, 1910-1913.

ROBERT W. GILLMAN, M. D., F. A. C. S.

Clinical Professor of Opthalmology and Otology at St. Mary's Hospital

M. D., Detroit College of Medicine, 1887; ex-Assistant Surgeon, British Ophthalmic Hospital, Jerusalem, Palestine; Clinical Professor of Ophthalmology and Otology, Detroit College of Medicine, 1894-1913; Ophthalmologic and Aural Surgeon to St. Mary's, St. Luke's and Providence Hospitals.

GEORGE EDWARD FROTHINGHAM, M. D., F. A. C. S.

Clinical Professor of Ophthalmology and Otology at Harper Hospital

M. D., Detroit College of Medicine, 1890; Clinical Professor of Ophthalmology and Otology, Detroit College of Medicine; Attending Ophthalmologist and Otologist to Harper Hospital.

MAX BALLIN, M. D., F. A. C. S.

Clinical Professor of Surgery at Harper Hospital

M. D., University of Berlin, 1892; M. D., University of Leipsig, 1894; Assistant to Surgical Clinic, Berlin, 1892-1896; Surgeon to St. Vincent's Hospital, Leadville, Colorado, 1897-1901; Surgeon to Harper Hospital, 1905-....; Consulting Surgeon to Children's Free and Woman's Hospitals.

ASSOCIATE PROFESSORS

ERNEST WILLIAM HAASS, M. D.

Associate Professor of Medicine

M. D., University of Michigan, 1892; Associate Clinical Professor of Medicine in the Detroit College of Medicine; Attending Physician to Harper Hospital, 1910-1913; Member, Detroit Board of Health, 1907-1911; President, same, 1910-1911.

WILLIAM M. DONALD, M. D.

Associate Professor of Medicine

M. D., Detroit College of Medicine, 1887; Associate Professor of Biology, Clinical Medicine and Internal Medicine in the Detroit College of Medicine; Attending Physician to St. Mary's Hospital for twenty years; Attending Physician to Protestant Orphan Asylum, 1899-1913; Acting Surgeon, United States Marine Hospital Service, 1895.

WILLIAM CLAWSON MARTIN, M. D.

Associate Professor of Urology

M. D., Detroit College of Medicine, 1890; ex-Professor of Histology in the Detroit College of Medicine; Junior Attending Urologist to Harper Hospital.

DELOS LEONARD PARKER, Ph. B., M. D.

Associate Professor of Pharmacology and Therapeutics

Ph. B., University of Michigan, 1881; M. D., same, 1883; Instructor in Materia Medica in the Detroit College of Medicine, 1896-1899; Lecturer on Materia Medica, same, 1899-1910; Professor of Materia Medica and Therapeutics, same, 1910-1913; Passed Assistant Surgeon, United States Navy, during the Spanish-American War.

CHARLES WELLMAN HITCHCOCK, A. M., M. D.

Associate Professor of Neurology and Psychiatry

A. M., University of Michigan, 1880; M. D., Detroit Medical College, 1885; Assistant to Chair of Nervous Diseases; Later, Adjunct Professor and Clinical Professor of Nervous Diseases in the Detroit College of Medicine; Attending Neurologist to Harper Hospital.

RICHARD E. MERCER, M. D., F. A. C. S.

Associate Professor of Rhinology, Laryngology and Otology

M. D., Detroit College of Medicine, 1897; F. A. C. S., 1915; Instructor, Lecturer and Adjunct Professor of Physical Diagnosis in the Detroit College of Medicine, 1897-1913; Clinical Assistant in Laryngology at St. Mary's Hospital, 1897-1910; Laryngologist to Providence Hospital, Crittenden Home, St. Luke's Hospital, and Protestant Orphan Asylum.

HENRY ROCKWELL VARNEY, M. D.

Associate Professor of Dermatology and Syphilology

M.D., University of Vermont, 1893; Clinical Assistant and Adjunct Professor of Dermatology in the Detroit College of Medicine, 1895-1916; Attending Dermatologist to Harper Hospital; Consulting Dermatologist to Adrian Reform School, Dearborn Retreat; Member International Congress of Dermatology and American Dermatological Association.

NATHAN JENKS, B. S., M. D., F. A. C. S.*

Associate Professor of Obstetrics

B. S., Dartmouth College, 1896; M. D., Medical Department of Cornell University, 1899; F. A. C. S., 1914; Adjunct Professor of Obstetrics and Midwifery in the Detroit College of Medicine, 1907-1913; Consulting Obstetrician at Providence Hospital, Detroit; President of Medical Board and Visiting Obstetrician to the Woman's Hospital and Infants' Home and Providence Hospital, Detroit.

CHARLES H. OAKMAN, D. D. S., M. D., F. A. C. S.

Associate Clinical Professor of Surgery

D. D. S., Chicago College of Dental Surgery, 1892; M. D., Detroit College of Medicine, 1906; F. A. C. S., 1915; Consulting Oral Surgeon to Harper Hospital, 1913.

VICTOR C. VAUGHAN, JR., A. B., M. D.

Associate Professor of Preventive Medicine and Public Health and Assistant Professor of Medicine

A. B., University of Michigan, 1900; M. D., same, 1902; Instructor in Pathology Cornell University Medical School, 1904-1905; Instructor in Chemistry and Bacteriology, Thomas Normal Training School, 1910-1913; Attending Physician to the Tuberculosis Pavilion of the Herman Kiefer Hospital, to Grace Hospital and to Providence Hospital; Junior Attending Physician to Harper Hospital.

BENJAMIN ROBINSON SCHENCK, A. B., M. D., F. A. C. S.

Associate Professor of Gynecology

A. B., Williams College, 1894; M. D., Johns Hopkins University, 1898; F. A. C. S., Chicago, 1913; Instructor in Gynecology, Johns Hopkins University, 1900-1903; Resident Gynecologist, Johns Hopkins Hospital, 1898-1903; Attending Gynecologist to Harper Hospital.

WALTER JOHN WILSON, JR., M. D.

Associate Professor of Pharmacology and Therapeutics and Instructor in Medicine

M. D., Detroit College of Medicine, 1897; Instructor and Lecturer on Experimental Pharmacology in the Detroit College of Medicine, 1902-1913; Assistant Professor of Pharmacology and Therapeutics and Instructor in Medicine in the Detroit College of Medicine and Surgery, 1913-1914; Assistant and Junior Attending Physician to St. Mary's Hospital, 1912.

*Deceased.

JOHN NORVAL BELL, Ph. G., M. D., F. A. C. S.

Associate Professor of Obstetrics

Ph. G., Ontario College of Pharmacy, 1884; M. D., Detroit College of Medicine, 1892; F. A. C. S., Chicago, 1913; Demonstrator and Lecturer on Anatomy, Detroit College of Medicine, 1896-1903; Instructor in Anatomy, same, 1903-1904; Instructor in Obstetrics, same, 1904-1905; Lecturer on Obstetrics and Gynecology, same, 1905-1906; Adjunct Professor and Clinical Professor of Obstetrics and Gynecology, same, 1906-1913; Associate Professor of Obstetrics, Detroit College of Medicine and Surgery, 1913; Gynecologist to Harper Hospital, 1910-1913; Attending Obstetrician, same.

WILLIAM H PRICE, M. D.

Associate Professor of Preventive Medicine and Public Health

M. D., Cleveland Homeopathic Medical College, 1899; Health Officer of Detroit, 1913.

ASSOCIATE CLINICAL PROFESSORS

JAMES ALEXANDER MACMILLAN, A. B., M. D., F. A. C. S.

Associate Clinical Professor of Proctology at Harper Hospital

A. B., Toronto University, 1887; M. D., Toronto University, 1893; F. A. C. S., 1915; Lecturer on Materia Medica and Therapeutics in the Detroit College of Medicine, 1896-1910; Clinical Professor of Proctology, same, 1911-1913; Attending Surgeon, Outdoor Department of Harper Hospital, 1896-1906; Proctologist to Harper Hospital, 1910-1913.

THEODORE A. McGRAW, JR., A. B., M. D.

Associate Clinical Professor of Medicine at St. Mary's Hospital

A. B., Yale University, 1898; M. D., College of Physicians and Surgeons, Columbia University, 1902; Lecturer on Medicine in the Detroit College of Medicine, 1912-1913; Attending Physician to St. Mary's Hospital, Detroit, 1911-.....

GEORGE E. POTTER, M. D.

Associate Clinical Professor of Surgery at Harper Hospital

M. D., Detroit College of Medicine, 1896; Surgeon to Out-door Department, Harper Hospital, 1906-1910; Clinical Assistant to Chair of Surgery, same, 1906-1910; Urologist, same, 1910-....

ROLLAND PARMETER, B. S., M. D., F. A. C. S.

Associate Clinical Professor of Surgery at Harper Hospital

B. S., Albion College, 1892; M. D., Rush Medical College, 1895; F. A. C. S., Chicago, 1913; Assistant to Professor of Gynecology and Obstetrics in the University of Michigan, 1902-1903; Volunteer Assistant to the chairs of Obstetrics, Gynecology and Surgery, University of Munich, 1903-1906; Junior Surgeon to Harper Hospital, 1911-1913; Attending Surgeon, same, 1913-....

HENRY JASPER HARTZ, M. D.

Associate Clinical Professor of Medicine at Detroit and Michigan State Sanitaria

M. D., Detroit College of Medicine, 1889; Assistant to Chair of Laryngology, Lecturer on Materia Medica and Lecturer on Nose and Throat Diseases in the Detroit College of Medicine, 1891-1900; Attending Physician at Detroit Tuberculosis Sanitarium; President of Board of Trustees of Michigan State Sanatorium.

MATTHEW BRADY, M. D.

Associate Clinical Professor of Gynecology at St. Mary's Hospital

M. D., Bellevue Hospital Medical College, New York City, 1883; Clinical Professor of Gynecology in the Detroit College of Medicine, 1907-1913; Attending Gynecologist to St. Mary's Hospital; Physician to the St. Francis Home for Boys; to the House of Good Shepherd and the Monastery.

HAROLD WILSON, B. S., M. D., F. A. C. S.

Associate Clinical Professor of Ophthalmology and Oto-Laryngology at Grace Hospital

B. S., University of Michigan, 1882; M. D., Homeopathic Department, same, 1886; Attending Eye, Ear, Nose and Throat Surgeon, Grace Hospital, 1889-....; Attending Eye, Ear, Nose and Throat Surgeon, Protestant Orphan Asylum, 1892-....

RAY CONNOR, A. B., M. D., F. A. C. S.

Associate Clinical Professor of Ophthalmology at the Children's Free Hospital

A. B., Williams College, Mass., 1897; M. D., Johns Hopkins University, 1901; F. A. C. S., Chicago, 1913; Clinical Professor of Ophthalmology and Otology in the Detroit College of Medicine, 1907-1913; Attending Surgeon, Diseases of Eye and Ear, Children's Free Hospital.

WARREN L. BABCOCK, M. D.

Associate Clinical Professor of Neurology and Psychiatry at Grace Hospital

M. D., College of Physicians and Surgeons, Baltimore, 1893; Assistant Physician to the New York State Hospital at Binghamton, 1894-1895; same at the St. Lawrence State Hospital, Ogdensburg, New York, 1895-1902; Chief Surgeon, New York State Soldiers' Home Hospital, Bath, N. Y., 1902-1904; Superintendent, Grace Hospital, Detroit, 1904-....; ex-President of the American Hospital Association; Consulting Neurologist and Psychiatrist, Grace Hospital Polyclinic.

ROLLIN HOWARD STEVENS, M. D.

Associate Clinical Professor of Dermatology and Syphilology and Assistant Clinical Professor of Roentgenology at Grace Hospital

M. D., Homeopathic Department of the University of Michigan, 1889; Member of College of Physicians and Surgeons of Ontario, 1889; Lecturer, Dermatology, University of Michigan, 1902-1908; Pathologist at Grace Hospital, 1891-1896; Junior Surgeon, same, 1895; Gynecologist, same, 1895-1902; Dermatologist and Roentgenologist, same, 1902-1913.

WILLIAM A. SPITZLEY, A. B., M. D.

Associate Clinical Professor of Surgery at Harper Hospital

A. B., University of Michigan, 1895; M. D., same, 1897; Senior Assistant in Surgery, same, 1897-1901; Attending Surgeon to Harper Hospital, 1912-1913; Consulting Surgeon to the Woman's Hospital, 1909-1913, and Detroit Tuberculosis Sanitarium, 1911-1913; Junior Attending Surgeon to the Children's Free Hospital, 1911-1912; Attending Surgeon to Providence Hospital, 1912.

CLARK D. BROOKS, M. D., F. A. C. S.

Associate Clinical Professor of Surgery at Harper Hospital

M. D., Detroit College of Medicine, 1905; F. A. C. S., 1913; Assistant Professor of Surgery and Instructor in Anatomy in Detroit College of Medicine and Surgery, 1913-1914; Junior Surgeon to Harper Hospital, 1912-1914; Surgeon to Children's Free and Harper Hospitals.

WILLIAM J. SEYMOUR, M. D.

Associate Clinical Professor of Surgery at St. Mary's Hospital

M. D., Detroit College of Medicine, 1903; Laboratory and Clinical Assistant to Chair of Surgery, Detroit Colllege of Medicine, 1906-1913; Assistant Professor of Surgery in Detroit College of Medicine and Surgery, 1913-1914; Assistant Surgeon to St. Mary's Hospital, 1905-1911; Junior Visiting Surgeon, same, 1911-1912; Visiting Surgeon, same, 1912-....; Visiting Surgeon to Providence Hospital, 1911-....

JOSEPH H. ANDRIES, M. D., F. A. C. S.

Associate Clinical Professor of Surgery at St. Mary's Hospital

M. D., Royal Frederick William University, Berlin, 1897; F.A.C.S. 1915; Assistant Surgeon, Moabit Hospital, Berlin, 1897-1898; Professor of Clinical Surgery in the Detroit College of Medicine, 1912-1913; Assistant Clinical Professor of Surgery in Detroit College of Medicine and Surgery, 1913-1914; Attending Surgeon to St. Mary's Hospital.

WADSWORTH WARREN, A. M., M. D.

Associate Clinical Professor of Rhinology, Laryngology and Otology at Providence Hospital

A. B., Olivet College, 1886; A. M., same, 1889; M. D., University of Michigan, 1889; Assistant in Laryngologic Clinic, University of Heidelberg, 1895-1896; Laryngologist to Children's Free Hospital Out-Patient Department, 1900-1903; Laryngologist to Providence Hospital, 1914-....

ASSISTANT PROFESSORS

HUGO A. FREUND, A. B., M. D.

Assistant Professor of Medicine

A. B., University of Michigan, 1903; M. D., same, 1905; 1st Assistant, Department of Internal Medicine, University of Michigan, 1905-1907; Junior Attending Physician, Harper Hospital, Chief of Clinic of the Jewish Institute.

JOHN LEE, M. D.

Assistant Professor of Medicine

M. D., Detroit College of Medicine, 1890; Clinical Assistant to the Chair of Medicine, Detroit College of Medicine, 1892-1895; Lecturer on Electricity and Clinical Assistant to the Chair of Medicine, same, 1895-1913; Visiting Physician to St. Mary's Hospital; Formerly Visiting Obstetrician to the House of Providence.

HERBERT MATTESON RICH, B. L., M. D.

Assistant Professor of Pediatrics

B. L., University of Michigan, 1897; M. D., same, 1901; Assistant to Chair, Diseases of Children, in the Detroit College of Medicine, 1905-1912; Attending Physician to Out-Patient Department of St. Mary's Hospital, 1904-1909; Assistant Attending Physician to Woman's Hospital and Infants' Home, 1906-1909; Attending Physician to Children's Free Hospital, 1909-1911; Assistant Attending Physician to Harper Hospital, 1911.

ISAAC LOUIS POLOZKER, M. D.

Assistant Professor of Pediatrics

M. D., Detroit College of Medicine, 1897; Clinical Assistant to Chair of the Diseases of Children and to Chair of Physiology, Detroit College of Medicine, 1899-1901; Assistant to Chair of Practice of Medicine and Diseases of Children and Physiology, 1901-1904; Lecturer on Post-Mortem Examinations, same, 1904-1907; Assistant to Chair of Practice of Medicine and the Diseases of Children, same, 1907-1908; Assistant Professor of Pediatrics, 1908-1913; Pediatrician to Providence Hospital and to St. Mary's Hospital Free Dispensary.

H. WELLINGTON YATES, M. D.

Assistant Professor of Gynecology

M. D., Detroit College of Medicine, 1894; U. V., University of Vienna, 1908; Assistant Professor of Obstetrics and Gynecology in the Detroit College of Medicine, 1902-1913; Gynecologist to St. Mary's and Providence Hospitals.

JAMES ETHELBERT DAVIS, A. M. (Univ. of Mich.), M. D.

Assistant Professor of Experimental Surgery

M. D., Detroit College of Medicine, 1896; Instructor and Lecturer on Therapeutics and Physiology, Detroit College of Medicine, 1903-1912; Professor of Physiology, same, 1912-1913; Gastro-Enterologist to Providence Hospital, Detroit, 1912-1914; Proctologist, same, 1914-....

FRED N. BLANCHARD, M. D.

Clinical Assistant in Surgery

M. D., Detroit College of Medicine, 1903; Assistant Demonstrator of Anatomy in the Detroit College of Medicine, 1904-1910; Lecturer and Demonstrator of Anatomy, same, 1911-1913; Clinical Assistant in Surgery, 1913; Assistant Professor of Anatomy, 1913-1915.

WILLIAM EDWARD KEANE, A. M., M. D.

Assistant Professor of Urology

A. B., University of Detroit, 1898; A. M., same, 1900; M. D., Detroit College of Medicine, 1902; Urologist to Providence Hospital; Junior Urologist to St. Mary's Hospital.

C. HOLLISTER JUDD, M. D.

Assistant Professor of Obstetrics and Instructor in Anatomy

M. D., University of Pennsylvania, 1897; Assistant Demonstrator of Physiology and Consultant to Out-Patient Obstetrical Department, same, 1893-1900; Lecturer on Embryology and Obstetrics in the Detroit College of Medicine, 1911-1913; Gynecologist to the Crittenden Home; Formerly Obstetrician to St. Mary's Hospital; Assistant Obstetrician to the Woman's Hospital; Gynecologist to Providence Hospital; Obstetrician to the Out-Patient Department of Harper Hospital.

DUNCAN A. CAMPBELL, M. D.

Assistant Professor of Rhinology, Laryngology and Otology

M. D., Detroit College of Medicine, 1898; Clinical Assistant in Rhinology and Laryngology, Harper Hospital Out-Patient Department.

ALFRED DANIEL LAFERTE, M. D.

Assistant Professor of Orthopedic Surgery

M. D., Jefferson Medical College, 1910; Attending Orthopedic Surgeon to the Out-Patient Department, Harper Hospital; Assistant Attending Orthopedic Surgeon to the Children's Free Hospital.

WILLIAM JOHN STAPLETON, JR., M. D., Ph. G., LL. B.

Assistant Professor of Medical Jurisprudence

M. D., Michigan College of Medicine and Surgery, 1900; Ph. G., Detroit College of Medicine, 1902; LL. B., Detroit College of Law, 1907; Lecturer on Pharmacy, Materia Medica and Minor Surgery in the Michigan College of Medicine and Surgery, 1902-1903; Lecturer on Post-Mortem Examinations in the Detroit College of Medicine, 1910-1912; Lecturer on Legal Medicine, same, 1913; Visiting Physician to Emergency Hospital, 1900-1907; Assistant in Surgery to the Boulevard Sanitarium, 1907-1912.

FRANK BURR TIBBALS, A. B., M. D., F. A. C. S.

Assistant Professor of Medical Jurisprudence

A. B., Yale, 1888; M. D., University of Michigan, 1891; F. A. C. S., American College of Surgeons, 1914; Junior Surgeon to Harper Hospital, 1895-1905; Chairman of Medico-Legal Committee of Michigan State Medical Society.

RAYMOND C. ANDRIES, A. B., M. D.

Assistant Professor of Anatomy and Assistant Clinical Professor of Surgery at St. Mary's Hospital

A. B., University of Detroit, 1903; M. D., Detroit College of Medicine, 1907; Instructor in Anatomy and Clinical Assistant to Chair of Surgery in the Detroit College of Medicine, 1909-1913; Instructor in Anatomy and Clinical Assistant in Surgery in Detroit College of Medicine and Surgery, 1913-1914; Junior Surgeon to St. Mary's Hospital, 1913.

INGA M. WERNESS, B. S., A. B., M. S.

Assistant Professor of Pharmacology

B. S., University of Kentucky, 1905; A. B., University of Louisville, 1908; M. S., same, 1909; Professor of Biology, Louisville Girls' High School, 1905-1910; Head of Science Department, Western Departmental School, Louisville, 1910-1913; Instructor in Biology, University of Louisville, 1909-1913; Assistant Professor of Physiology and Pharmacology, Baylor University, 1913-1914.

WILLIAM HAMILTON, M. D.

Assistant Professor of Anatomy, Histology and Embryology

M. B., University of Toronto, 1914; M. D., Detroit College of Medicine and Surgery, 1916; Member of Ontario College of Physicians and Surgeons; Instructor in Department of Biology, University of Toronto, 1911-1914.

ERNEST KEYS CULLEN, M. B., F. A. C. S.

Assistant Professor of Gynecology

M. B., University of Toronto, 1903; F. A. C. S., American College of Surgeons, 1914; Assistant in Medicine, Johns Hopkins Hospital Dispensary, 1903-1904; House Surgeon, Toronto General Hospital, 1904-1905; Fellow in Pathology, Johns Hopkins University, 1905-1906; Assistant Resident Gynecologist, Johns Hopkins Hospital, 1907-1910; Resident Gynecologist, same, 1910-1911; Instructor in Gynecology, Johns Hopkins University, 1909-1911; Associate Surgeon in Gynecology, Harper Hospital, 1914-....

GEORGE SEWELL, M. D.

Assistant Professor of Preventive Medicine and Public Health at Herman Kiefer Hospital

M. D., Detroit College of Medicine, 1912; Associate Attending Physician, Herman Kiefer Hospital; Attending Physician, Contagious Diseases, Children's Free Hospital.

ASSISTANT CLINICAL PROFESSORS

ALEXANDER M. STIRLING, M. D.

Clinical Assistant in Surgery at Harper Hospital

M. D., Detroit College of Medicine, 1909; Instructor in Anatomy, 1913-1915; Attending Surgeon to Harper Hospital Out-Patient Department; Assistant Attending Surgeon to Children's Free Hospital.

WILLIAM A. REPP, M. D.

Assistant Clinical Professor of Gynecology at St. Mary's Hospital

M. D., Detroit College of Medicine, 1895; Assistant to Chair of Gynecology in the Detroit College of Medicine, 1899-1907; Clinical Professor of Gynecology, 1907-1913; Attending Gynecologist to St. Mary's Hospital; Consulting Gynecologist to Florence Crittenden Home, Detroit; Attending Physician and Surgeon to St. Vincent's Orphan Asylum.

WILLIAM G. HUTCHINSON, M. D.

Assistant Clinical Professor of Surgery at Children's Free Hospital

M. D., Detroit College of Medicine, 1897; Assistant Professor and Demonstrator of Anatomy, Detroit College of Medicine, 1901-1913; Surgeon to Harper Hospital, Out-door Department, 1900-1902; Attending Physician to the Children's Free Hospital, 1902-1910; Attending Surgeon, same, 1910-....

GUY H. McFALL, M. D.

Assistant Clinical Professor of Laryngology at Herman Kiefer Hospital

M. D., Detroit College of Medicine, 1899; Assistant in Pathological Laboratory, 1902; Instructor in Embryology in the Detroit College of Medicine, 1903; Instructor in Materia Medica, 1905-1913; Assistant Laryngologist to Harper Hospital, Out-door Department, 1902-1911; Junior Attending Rhino-Laryngologist to Harper Hospital, 1911-1915; Attending Physician to Herman Kiefer Hospital, 1909; Rhino-Laryngologist to Children's Free Hospital.

GEORGE CHARLES CHENE, M. D.

Assistant Clinical Professor of Roentgenology at St .Mary's Hospital

M. D., Detroit College of Medicine, 1905; Clinical Professor of Roentgenology, Detroit College of Medicine, 1908-1913; Roentgenologist to Providence and St. Mary's Hospitals and Hotel Dieu.

GEORGE EDWIN McKEAN, M. D.

Assistant Clinical Professor of Medicine

M. D., University of Michigan, 1894; Junior Attending Physician to Harper Hospital.

WESLEY TAYLOR, B. S., M. D.

Assistant Clinical Professor of Neurology and Psychiatry at Harper Hospital

B. S., University of Michigan, 1897; M. D., same, 1899; Professor of Materia Medica in the Atlanta School of Pharmacy, 1904-1908; Neurologist to Wesley Memorial Hospital, 1905-1912; Professor of Neurology and Therapeutics in the Atlanta School of Medicine, Georgia, 1906-1912; Neurologist to Tabernacle Infirmary, 1906-1912; Visiting Physician to the College Hospital, 1906-1912, and Spelman Hospital, 1907-1912, and Home for Incurables, 1908-1912; Consulting Physician to the Tuberculosis Dispensary, 1905-1912, Atlanta, Georgia.

WILLIAM ERNEST BLODGETT, A. B., M. D.

Assistant Clinical Professor of Orthopedic Surgery at Harper Hospital

A. B., Harvard University, 1896; M. D., same, 1900; Assistant Demonstrator of Anatomy in the Detroit College of Medicine, 1904-1907; Assistant Clinical Professor of Orthopedic Surgery, same, 1911-1913; Orthopedic Surgeon to Harper Hospital.

J. WALTER VAUGHAN, A. B., M. D.

Assistant Clinical Professor of Surgery at Harper Hospital

A. B., University of Michigan, 1902; M. D., same, 1904; Instructor in Bacteriology in the University of Michigan, 1902-1903; Junior Attending Surgeon to Harper Hospital.

HERMON HARVEY SANDERSON, M. B.

Assistant Clinical Professor of Ophthalmology at Harper Hospital

M. B., University of Toronto, 1893; Assistant Surgeon, University College, London, England, 1902; Assistant Surgeon, Royal Ophthalmic Hospital, London, 1902; Surgeon, Army Medical Corps, Canada, 1900-1910; Ophthalmologist to Hotel Dieu, Windsor, Ontario.

JOHN J. MARKER, M. D.

Assistant Clinical Professor of Neurology and Psychiatry at the Wayne County Asylum

M.D., University of Michigan, 1890; Physician to Wayne County Infirmary, 1891-1900; Medical Superintendent of Eloise Hospital, 1900-1913.

GUY LEARTUS CONNOR, A. B., M. D.

Assistant Clinical Professor of Neurology, Psychiatry, Preventive Medicine and Public Health at St. Mary's Hospital

A. B., Williams College, 1897; M. D., Johns Hopkins Medical School, 1901; Clinical Professor of Neurology in the Detroit College of Medicine, 1912-1913; Neurologist to Children's Free Hospital; Junior Neurologist to St. Mary's Hospital.

EMIL AMBERG, M. D., F. A. C. S.

Assistant Clinical Professor of Otology at Harper Hospital

State Examination and M. D., University of Heidelberg, Germany, 1894; F. A. C. S., 1913; Consulting Otologist to Harper Hospital, 1912-....; Attending Oto-Laryngologist to United Jewish Charities Dispensary; Consulting Otologist, Harper Hospital.

LEO BREISACHER, M. D.

Assistant Clinical Professor of Medicine at Harper Hospital

M. D., University of Pennsylvania, 1892; Professor of Comparative Physiology, same, 1893; Clinical Professor of Gastro-Enterology, Detroit College of Medicine, 1910-1913; Consulting Gastro-Enterologist at Harper Hospital.

HERBERT W. HEWITT, M. D., F. A. C. S.

Assistant Clinical Professor of Surgery at Grace Hospital

M. D., Detroit College of Medicine, 1903; F. A. C. S., 1913; Assistant Demonstrator of Anatomy, Detroit College of Medicine, 1908-1913; Attending Surgeon, Grace Hospital, 1914-....

ALEXANDER WILLIS BLAIN, M. D., F. A. C. S.

Assistant Clinical Professor of Surgery

M. D., Detroit College of Medicine, 1906; Instructor in Physiology in the Detroit College of Medicine, 1909-1910; Instructor in Pathology, same, 1910-1912; Instructor in Surgery in Detroit College of Medicine and Surgery, 1913-1914; Attending Surgeon to Harper Hospital Polyclinic, 1909-1914; Junior Surgeon to Harper Hospital, 1914-....

ARCHIBALD DUNCAN McALPINE, M. D.

Assistant Clinical Professor of Surgery at Harper Hospital

M. D., Detroit College of Medicine, 1905; Clinical Assistant in Surgery in Detroit College of Medicine and Surgery, 1913-1914; Attending Surgeon to Children's Free Hospital; Junior Attending Surgeon to Harper Hospital; Surgeon to the Jewish Institute.

GLENN WILEY STOCKWELL, M. D.

Assistant Clinical Professor of Surgery at Harper Hospital

M. D., Detroit College of Medicine, 1903; Clinical Assistant in Surgery in Detroit College of Medicine and Surgery, 1913-1914; Attending Surgeon to Harper Hospital Out-Patient Department, 1912-1914; Junior Surgeon to Harper Hospital.

JOHN CLINTON DODDS, M. D.

Assistant Clinical Professor of Urology at Harper Hospital Out-Patient Department and Clinical Assistant in Preventive Medicine and Public Health at the Board of Health Clinic

M. D., Detroit College of Medicine, 1903; Assistant Demonstrator of Anatomy, same, 1905-1907; Clinical Assistant to Chair of Urology, same, 1908-1913; Assistant Attending Surgeon to Children's Free Hospital, 1912-1913; Physician in Charge of the Venereal Clinic of the Detroit Board of Health, 1912-1913; Attending Urologist to Harper Hospital Out-Patient Department, 1910-1913.

FREDERICK HERMON COLE, M. D.
Assistant Clinical Professor of Urology at Harper Hospital, Out-Patient Department

M. D., Detroit College of Medicine, 1908; Assistant, Charite Polyclinic, Berlin, Germany; Clinical Assistant in Urology in Detroit College of Medicine and Surgery, 1913-1914; Junior Attending Urologist to Harper Hospital and Out-Patient Department.

JACOB H. POLOZKER, M. D.
Assistant Clinical Professor of Pediatrics at St. Mary's Hospital Free Dispensary

M. D., Detroit College of Medicine, 1910; Attending Physician to Children's Free Hospital Out-Patient Department, 1911-1916; Attending Physician to Pediatric Clinic, St. Mary's Hospital, 1911-....; Attending Physician, Children's Free Hospital, 1916.

S. GRANT McDONALD, M. D.
Assistant Clinical Professor of Pediatrics at Children's Free Hospital

M. D., Detroit College of Medicine, 1900; Attending Physician and Surgeon, Children's Free Hospital Out-door Department, 1902-1912; Attending Physician, Florence Crittenden Home, 1907-1914; Attending Physician, Children's Free Hospital, 1914-....

FREDERICK B. BURKE, M. D.
Assistant Clinical Professor of Pediatrics at Children's Free Hospital

M. D., Georgetown University, 1906; Attending Physician, Children's Free Hospital.

DAVID R. CLARK, M. D.
Assistant Clinical Professor of Neurology and Psychiatry at St. Joseph's Retreat

M. D., University of Michigan, 1895.

INSTRUCTORS

ROBERT FRANKLIN FOSTER, M. B.
Instructor in Anatomy

M. B., University of Toronto, 1903.

ARTHUR E. SCHILLER, M. D.
Instructor in Anatomy

M. D., Detroit College of Medicine and Surgery, 1914.

GEORGE WILLIAM WAGNER, M. D.
Instructor in Dietetics

M. D., Jefferson Medical College, 1894; Instructor in Clinical Physical Diagnosis, Jefferson Medical College, 1894-1895; Clinical Assistant in Medicine in the Detroit College of Medicine, 1900-1907; Clinical Professor of Medicine, same, 1908-1913; Attending Physician to Harper Hospital Out-door Department, 1900-1907; Attending Physician to Harper Hospital, 1907-1911; Attending Gastro-Enterology, same, 1911-1912; Consulting Gastro-Enterologist, same, 1911-1913; Consulting Gastro-Enterologist to the German Polyclinic, 1907-1909; Attending Physician to the Jewish Polyclinic, 1913-1914.

ELMER LESLIE EGGLESTON, M. D.
Instructor in Therapeutics

M. D., American Medical Missionary College, 1900; Professor of Physiological Chemistry, same, 1902-1905; Professor of Pharmacology, same, 1906-1909; Physician at Battle Creek Sanitarium, 1902-1913.

NEAL LUTHER HOSKINS, A. B., M. D.

Instructor in Pharmacology and Therapeutics and Clinical Assistant in Medicine

A. B., Dartmouth College, 1899; M. D., Detroit College of Medicine, 1905; Clinical Assistant to the Chair of Medicine, 1907-1913; Instructor in Therapeutics, same, 1913; Assistant in Harper Hospital Polyclinic, 1906-1908; Assistant Surgeon to St. Mary's Out-Patient Department, 1908-1910; Assistant Physician to St. Mary's Hospital, 1910-1911; Junior Attending Physician, same, 1912-1913.

GEORGE OSCAR PRATT, M. D.

Instructor in Pharmacology and Therapeutics

M. D., Detroit College of Medicine, 1905; Assistant Instructor in Pharmacological Laboratory, Detroit College of Medicine, 1906-1913.

ALPHEUS FELCH JENNINGS, A. B., M. D.

Instructor in Medicine

A. B., University of Michigan, 1907; M. D., Harvard University, 1910; Junior Attending Physician to Harper Hospital Out-Patient Department.

HENRY R. CARSTENS, A. B., M. D.

Instructor in Medicine

A.B., University of Michigan, 1909; M. D., Detroit College of Medicine, 1911; Physician to Harper Hospital Out-Patient Department.

FREDERICK G. BUESSER, M. D.

Instructor in Medicine

M. D., Detroit College of Medicine, 1905; Clinical Assistant to Chair of Medicine in the Detroit College of Medicine, 1907-1913; Senior Attending Physician to Harper Hospital Out-Patient Department, 1913-1916; Junior Attending Physician, Harper Hospital, 1916; Visiting Physician, Detroit Tuberculosis Sanitarium.

CHARLES BRADFORD LUNDY, M. D.

Instructor in Ophthalmology

M. D., Detroit College of Medicine, 1904; Assistant in Pathology in the Detroit College of Medicine, 1905-1909; Instructor in Anatomy, same, 1907-1909; Instructor in Ophthalmology, same, 1913.

ROBERT CLAY JAMIESON, M. D.

Instructor in Dermatology and Syphilology

M. D., Detroit College of Medicine, 1903; Clinical Assistant in Dermatology in the Detroit College of Medicine, 1909-1913; Dermatologist to Harper Hospital Out-Patient Department, 1909-1913.

JAMES D. MATTHEWS, M. D., F. A. C. S.

Instructor in Surgery

M. D., Detroit College of Medicine, 1892; Diploma, University of Vienna, 1909; Instructor in Anatomy in the Detroit College of Medicine, 1907-1908; Assistant Orthopedist to Providence Hospital.

ROBERT A. C. WOLLENBERG, M. D.

Instructor in Dermatology and Syphilology

M. D., Georgetown University School of Medicine, 1905; Instructor in Dermatology in the Detroit College of Medicine, 1913; Attending Dermatologist to Providence Hospital, 1911-....; Junior Attending Dermatologist to St. Mary's Hospital, 1912-....; Assistant Dermatologist to the Children's Free Hospital, 1912-....; Assistant Surgeon in U. S. Public Health Service, 1906-1910.

WALTER E. WELZ, M. D.

Instructor in Obstetrics

M. D., Detroit College of Medicine, 1903; Instructor in Obstetrics, same, 1913; Physician to the Second Woman's Clinic, Imperial General Hospital, Vienna, 1906-1907; Attending Obstetrician to Providence Hospital, 1907-1913.

WALTER MANTON, A. B., M. D.

Instructor in Obstetrics

A. B., Harvard University, 1905; M. D., same, 1909; House Officer of the Massachusetts General Hospital, Boston, 1909-1910; Gynecologist, Out-Patient Department, Harper Hospital; Visiting Obstetrician, Woman's Hospital and Infants' Home.

CHARLES HUGH McLEAN, M. D.

Instructor in Surgery

M. D., Detroit College of Medicine, 1904; Assistant in Anatomical, Histological and Pathological Laboratories, same, 1906-1907.

EDWARD JAMES O'BRIEN, M. D.

Instructor in Anatomy

M. D., Detroit College of Medicine, 1909; Demonstrator of Anatomy, in the Detroit College of Medicine, 1911-1913; Assistant to the Children's Free Hospital Out-Patient Department, 1912-1913; Assistant to Harper Hospital Out-Patient Department.

GROVER C. PENBERTHY, M. D.

Instructor in Anatomy, Histology and Embryology

M. D., University of Michigan, 1910.

WILLIAM HORACE MORLEY, Ph. B., M. D.

Instructor in Obstetrics

Ph. B., University of Michigan, 1895; M. D., same, 1901; F. A. C. S., 1913; Assistant in Obstetrics and Gynecology, same, 1901-1903; Demonstrator, same, 1905-1907; Assistant Visiting Obstetrician, Woman's Hospital, 1908-1915; Visiting Obstetrician, Providence Hospital, 1909-1915; Obstetrician-in-Chief, Jewish Clinic, 1907-....; Pathologist, Woman's Hospital, 1914-....

EDWIN R. WITWER, M. D.

Instructor in Pathology and Bacteriology

M. D., Detroit College of Medicine and Surgery, 1914; Resident Pathologist to Harper Hospital, 1914-....

CARL N. LARSEN, M. D.

Instructor in Physiology

M. D. Detroit College of Medicine and Surgery, 1915.

HARRY N. TORREY, M. D., F. A. C. S.

Instructor in Anatomy

S. B., Knox College, 1900; A. M., University of Michigan, 1905; M. D., Johns Hopkins University, 1906; F. A. C. S., Chicago, 1913; Assistant in Bacteriology, University of Michigan, 1904-1905; Rockefeller Fellow, University of Michigan, 1906; Associate Surgeon, Harper Hospital and Chief of Surgical Clinic, Harper Hospital Out-Patient Department, 1914.

ALBERT L. FRENCH, M. D.

Demonstrator of Gross Pathology

M. D., Detroit College of Medicine, 1909; Attending Physician to Boulevard Sanitarium, 1911-1913; Prosector and Physician to Wayne County, 1914-....

HENRY F. VAUGHAN, B. S.

Instructor in Sanitary Engineering

B. S., University of Michigan, 1912; Assistant State Sanitary Engineer, Michigan, 1913; Sanitary Engineer, Detroit Board of Health, 1914; Epidemiologist, same, 1915.

EDWARD GILLET MARTIN, M. D.

Instructor in Proctology at Harper Hospital, Out-Patient Department

M. D., Detroit College of Medicine, 1904; Assistant Demonstrator of Operative Surgery, same, 1908; Clinical Assistant in Proctology in Detroit College of Medicine and Surgery, 1913-1914; Attending Proctologist to Harper Hospital Out-Patient Department, 1911-1913.

JAMES HERBERT DEMPSTER, A. B., M. D.

Instructor in the History of Medicine and Anatomy and Clinical Assistant in Ophthalmology at St. Mary's Hospital

B. A., Queen's University, Canada; 1899; M. D., Detroit College of Medicine, 1907; Lecturer on Biology, 1910-1913; Laboratory Assistant in Medicine at Detroit College of Medicine and Surgery, 1913-1914; Editor Detroit Medical Journal.

CARLOS LE ROY RUSSEL FULLER, M. B. (Tor.).

Instructor in Anatomy

M. B., University of Toronto, 1911; Laboratory Assistant in Anatomy in Detroit College of Medicine and Surgery, 1913-1914; Captain of Army Medical Corps, Canadian Militia; Physician to Children's Aid Society, Windsor, Ontario.

WILLIAM R. CLINTON, M. D.

Instructor in Anatomy

M. D., Detroit College of Medicine, 1911; Laboratory Assistant in Anatomy in Detroit College of Medicine and Surgery, 1913-1914.

MORRIS D. SILVER, M. D.

Instructor in Anatomy

M. D., The College of Physicians and Surgeons of Baltimore, 1902; Laboratory Assistant in Anatomy in Detroit College of Medicine and Surgery, 1913-1914.

ARTHUR E. SCHILLER, M. D.

Instructor in Anatomy

M. D., Detroit College of Medicine and Sugery, 1914.

ROBERT FRANKLIN FOSTER, M. B.

Instructor in Anatomy

M. B., University of Toronto, 1903.

ORRETT TATLOCK, B. S., M. S.

Instructor in Chemistry

B. S., University of Michigan, 1909; M. S., University of Michigan, 1915.

EDWARD WILLIAM MOONEY, M. D.

Instructor in Medicine at St. Mary's Hospital

M. D., Detroit College of Medicine, 1899; Instructor in Medicine and Clinical Assistant to Chair of Medicine, same, 1911-1913; Assistant in Out-Patient Department of St. Mary's Hospital, 1904-1913; Junior Attending Physician to St. Mary's Hospital, 1912-1913; Instructor in Medicine, 1915-.....

CHANNING H. STILES, M. D.

Instructor in Medicine at Harper Hospital, Out-Patient Department and Physician to Students

M. D., Detroit College of Medicine, 1906; Clinical Assistant to the Chair of Medicine, same, 1907; Senior Attending Physician to the Harper Hospital Out-Patient Department; Attending Physician to Medical Students; Instructor in Medicine, 1915-....

CLINICAL ASSISTANTS

GILBERT JOHN ANDERSON, M. D.

Clinical Assistant in Obstetrics at Harper Hospital, Out-Patient Department

M. D., Detroit College of Medicine, 1900; Instructor in Physiology in the Detroit College of Medicine, 1908-1912; Assistant to Out-Patient Department of Harper Hospital, 1901-.....

GEORGE SUTTIE, Ph. G., M. D.*

Clinical Assistant in Ophthalmology at Harper Hospital, Out-Patient Department

Ph. G., Ontario College of Pharmacy, 1882; M. D., Detroit College of Medicine, 1893; ex-Professor of Botany and Materia Medica in the Detroit College of Medicine; Lecturer on Organic Chemistry, same; Ophthalmologist to Harper Hospital Polyclinic, 1893-.....

WALTER D. FORD, M. D.

Clinical Assistant in Pediatrics at Harper Hospital, Out-Patient Department

M. D., Detroit College of Medicine, 1899; Attending Pediatrician, Harper Hospital Out-Patient Department.

*Deceased.

HOWARD WILBUR PIERCE, M. D.

Clinical Assistant in Rhinology and Laryngology at Harper Hospital, Out-Patient Department

M. D., Detroit College of Medicine, 1904; Attending Rhino-Laryngologist to the Out-Patient Department of Harper Hospital, 1911-....; Junior Attending Oto-Rhino-Laryngologist to the Jewish Institute, 1912-.....

JAMES E. CASEY, M. D.

Clinical Assistant in Rhinology and Laryngology at St. Mary's Hospital and Free Dispensary

M. D., Detroit College of Medicine, 1902; Clinical Assistant at St. Mary's Hospital Free Dispensary; Assistant Laryngologist, same.

LORENZO LINN ZIMMER, M. D.

Clinical Assistant in Gynecology at St. Mary's Hospital

M. D., Detroit College of Medicine, 1903; Clinical Assistant in Gynecology, same, 1905-.....

ROBERT G. SHAW, M. D.

Clinical Assistant in Rhinology and Laryngology at St. Mary's Hospital Free Dispensary

M. D., Detroit College of Medicine, 1907; Clinical Assistant to Chair of Laryngology and Physical Diagnosis, same, 1907-1913.

HOWELL LLEWELLYN BEGLE, B. S., M. D.

Clinical Assistant in Ophthalmology at Harper Hospital, Out-Patient Department

B. S., University of Michigan, 1900; M. D., University of Michigan, 1905; Assistant in Ophthalmology in the Detroit College of Medicine, 1908-1913; Assistant in Ophthalmology at Harper Hospital Polyclinic, 1908-.....

REU SPENCER TAYLOR, M. D.

Clinical Assistant in Dermatology and Syphilology at St. Mary's Hospital Free Dispensary

M. D., Detroit College of Medicine, 1906; Clinical Assistant to Chair of Dermatology, same, 1906-.....

ROBERT BEATTIE, M. D.

Clinical Assistant in Ophthalmology at St. Mary's Hospital Free Dispensary

M. D., Detroit College of Medicine, 1903; Clinical Assistant to St. Mary's Hospital Free Dispensary, 1905-1913.

FRANK BENJAMIN ALLISON, M. D.

Clinical Assistant in Proctology at Harper Hospital, Out-Patient Department

M. D., Detroit College of Medicine, 1905; Attending Proctologist to Harper Hospital Out-Patient Department.

EUGENE SMITH, JR., M. D.

Clinical Assistant in Ophthalmology at St. Mary's Hospital

M. D., Detroit College of Medicine, 1912; Assistant Ophthalmic and Aural Surgeon to St. Mary's Hospital; Oculist, Detroit Eye, Ear, Nose and Throat Hospital.

LAWRENCE PRELL BREITENBACH, M. D.

Clinical Assistant in Dermatology and Syphilology at St. Mary's Hospital Free Dispensary

M. D., Detroit College of Medicine, 1911; Assistant Dermatologist and Urologist in St. Mary's Hospital Free Dispensary, 1912-1913.

HOWARD R. COLL, M. D.

Clinical Assistant in Gynecology at St. Mary's Hospital

M. D., Detroit College of Medicine, 1910; Assistant in Gynecological Clinic, 1912-1913.

CHARLES STEWART KENNEDY, B. S., M. D.

Clinical Assistant in Surgery at Grace Hospital

B. S., University of Michigan, 1911; M. D., same, 1913.

GEORGE HENRY PALMERLEE, M. D.

Clinical Assistant in Surgery at Grace Hospital

M. D., Detroit College of Medicine, 1903; Attending Surgeon to Grace Hospital Polyclinic.

WORTH ROSS, M. D.

Clinical Assistant in Proctology at Harper Hospital, Out-Patient Department, Clinical Assistant in Preventive Medicine and Public Health, Clinical Assistant in Pediatrics

M. D., George Washington University, 1910; Director of Baby Clinics, Detroit Board of Health, 1915-.....

JOHN HARVEY PENIX, A. B., M. D.

Clinical Assistant in Obstetrics

A. B., William Jewell College, Liberty, Mo., 1906; M. D., Harvard University, 1911.

JAMES M. ROBB, M. D.

Clinical Assistant in Preventive Medicine and Public Health at the Herman Kiefer Hospital

M. D., Detroit College of Medicine, 1908; Attending Aurist, Herman Kiefer Hospital; Attending Physician to Eye and Ear Clinic, Board of Health; First Lieutenant of the Medical Reserve Corps, U. S. A.

H. L. SIMPSON, M. D.

Clinical Assistant in Laryngology

M. D., University of Michigan, 1904.

EDWARD J. AGNELLY, M. D.

Clinical Assistant in Medicine at St. Mary's Hospital Free Dispensary

M. D., Detroit College of Medicine, 1903.

ANDREW D. POTTER, M. D.

Clinical Assistant in Medicine at St. Mary's Hospital Free Dispensary

M. D., Detroit College of Medicine, 1906.

ELLIS R. GREEN, M. D.

Clinical Assistant in Medicine at St. Mary's Hospital Free Dispensary

M. D., Detroit College of Medicine, 1912.

WILLIAM C. LAWRENCE, M. D.

Clinical Assistant in Gynecology at Harper Hospital Out-Patient Department

M. D., Detoit College of Medicine, 1904; Neurologist at Harper Hospital Polyclinic, 1904-1908.

GEORGE J. BAKER, M. D.

Medical Director of St. Mary's Hospital Free Dispensary and Laboratory Assistant in Medicine

M. D., Detroit College of Medicine, 1909.

THOMAS C. STARRS, M. D.

Clinical Assistant in Surgery at St. Mary's Hospital Free Dispensary

A. B., University of Detroit, 1901; A. M., same, 1907; M. D., Detroit College of Medicine, 1906; Junior Sugeon to St. Mary's Hospital, 1914; Clinical Assistant in Surgery, 1914-.....

THEODORE H. SMITH, M. D.

Clinical Assistant in Urology

M. D., Detroit College of Medicine, 1896.

GEORGE P. MYERS, A. M., M. D.

Clinical Assistant in Surgery at Grace Hospital

A. B., University of South Dakota, 1894; A. M., same, 1895; M. D., Cleveland Homeopathic Medical College, 1898; Pathologist to Grace Hospital, 1906-1914; Associate Surgeon, same, 1914-.....

J. FRANK KILROY, M. D.

Clinical Assistant in Neurology and Psychiatry at St. Mary's Hospital Free Dispensary

M. D., Detroit Homeopathic College, 1911; Laboratory Assistant in Surgery in Detroit College of Medicine and Surgery, 1913-1914.

ROBERT L. MARTIN, M. D.

Clinical Assistant in Gynecology

M. D., University of Michigan, 1910.

GEORGE VAN RHEE, M. D.

Clinical Assistant in Pediatrics

M. D., University of Michigan, 1915.

RALPH A. PERKINS, M. D.

Clinical Assistant in Dermatology

M. D., Detroit College of Medicine and Surgery, 1911.

HUGH A. HAGERTY, M. D.

Clinical Assistant in Gynecology

M. D., Cleveland Homeopathic Medical College, 1898.

A. RAYMOND MOON, M. D.
Clinical Assistant in Obstetrics

M. D., Detroit College of Medicine, 1912; Assistant in Out Patient Obstetrical Department, Harper Hospital, 1916.

OSWALD C. FLUEMER, M. D.
Clinical Assistant in Obstetrics

M. D., University of Michigan, 1907; Instructor in Anatomy, University of Michigan, 1905-1906; Instructor in Anatomy, University of Iowa, 1908; Graduate Student, Chicago, New York and Berlin (Bumm's Clinic), 1908-1912.

.....
Clinical Assistant in Obstetrics

WARD F. SEELEY, M. D.
Clinical Assistant in Obstetrics

M. D., University of Michigan, 1911.

HUGH A. McFAYDEN, M. D.
Clinical Assistant in Pediatrics

M. D., Western University, 1912.

LABORATORY ASSISTANTS

ALBERT E. CATHERWOOD, M. D.
Laboratory Assistant in Anatomy

M. D., Detroit College of Medicine, 1912.

TECHNICIANS

JOHN ENEBO
Technician in the Department of Anatomy, Histology and Embryology

LORNE LAVERY
Technician in the Department of Chemistry

.....
Technician in the Department of Pathology and Bacteriology

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Joseph H. Hathaway, A. M., M. D.
Louis J. Hirschman, M. D.
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The Secretary

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CHARLES G. JENNINGS, M. D.
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WALTER P. MANTON, M. D.
FRANK B. WALKER, PH. B., M. D.
HUGO A. FREUND, A. B., M. D.
AUGUSTUS W. IVES, M. D.
HERBERT M. RICH, B. L., M. D.
HENRY J. HARTZ, M. D.

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FREDERICK W. ROBBINS, A. M., M. D.

COMMITTEE ON LIBRARY

BENJAMIN R. SCHENCK, A. B., M. D.
PLINN F. MORSE, A. M., M. D.
WILLIAM F. KOCH, A. B., A. M., Ph. D.

CURATOR OF THE MUSEUM

PLINN F. MORSE, A. M., M. D.

SCHOLARSHIP COMMITTEE

ANGUS MCLEAN, M. D.
FRANK B. WALKER, PH. B., M. D.

PHYSICIAN TO STUDENTS

CHANNING H. STILES, M. D.

DIRECTOR OF ATHLETICS

WILLIAM E. KEANE, M. D.

BURSAR

WALTER BRESSER

STENOGRAPHER TO THE SECRETARY AND LIBRARIAN

BEATRICE M. CARMICHAEL

THE COLLEGE BUILDINGS.

The main building is situated on the northeast corner of Saint Antoine and Mullet Streets. It is divided into four stories and has a floor area of more than 40,000 square feet. With the exception of three recitation rooms, the Library and Y. M. C. A. Room, the space in this building is occupied almost exclusively by well-equipped laboratories.

The four-story brick building east of the main building on Mullet Street, is available for teaching purposes when the occasion requires, and will add 24,000 square feet of floor space.

Both buildings are well arranged for the greatest use of the daylight, are conveniently located near the center of the city in the block adjacent to St. Mary's Hospital, the Public Health Building and the new Municipal Detention Hospital, and a block distant from Gratiot Avenue, one of the main thoroughfares of the city.

LABORATORIES.

The top floor of the College Building is given over to the Department of Anatomy, Histology and Embryology. The dissecting room, research laboratory and office occupy the south end. In the central portion are preparation and stock rooms and an amphitheater of fifty seats. The north end is devoted especially to histology and embryology. In that space are fitted up also a private laboratory and a dark room. The department is equipped with a library, charts, models, photographic and projection apparatus, complete apparatus for histological technique and a museum in the anatomical laboratory.

The third floor affords space for two laboratories. The Physiological Laboratory occupies the south end and a portion of the front. One large room is fitted up for students' laboratory work; another for animal experimentation, and a third for research work and a work shop. It is newly equipped with the best physiological apparatus.

The north end—a space of 2,500 square feet—has been laid out and equipped for pathological laboratory work. There is a large students' work room, a staff laboratory, a private technician's room, a private laboratory, and an office. The equipment includes a drawing projection and photo-micrographic apparatus, a paraffin bath with sixteen wells to accommodate forty students, a polarizing microscope, a complete photographic equipment, microtomes, microscopes and other pathologic equipment.

The Pathological Museum is at Harper Hospital, where the sections in gross pathology meet for practical demonstrations.

The laboratory is equipped as well for Clinical Microscopy. Here the junior class bring their specimens from the dispensaries and the hospitals and conduct their examinations under the direction of Professor Morse and his assistants. It is expected that a separate Clinical Laboratory will be provided in the near future.

The north end of the second floor is also used for two laboratory courses in chemistry. The equipment is absolutely new and complete and provides for the course in organic chemistry during the first semester and one in physiological the second. The laboratory is adaptable for either course and is most satisfactorily arranged. Besides the main laboratory there are two preparation rooms for assistants and technician, a balance room, hot and cold rooms, a dark room and a private office. The stock room is adjacent.

On the first floor are located the laboratories of Pharmacology, the General Library, a Students' Reception Room and the college offices. The Pharmacological Laboratory has been extensively remodeled and refurnished with a complete modern equipment. It includes a large and commodious students' laboratory, a private laboratory and workshop and private office.

The Surgical Laboratory occupies the northwest portion of the basement. Adjacent to it are the dog kennels and the animal room. The embalming room is located in the southeast portion and contains an abundance of anatomical material.

Detroit a Medical Centre

Not only as the metropolis of the state but also as the home of eight large hospitals and some of the largest drug manufactories in the world, Detroit is the medical center of a wide territory. The clinical facilties afforded students of medicine and surgery in Detroit have always been a subject for favorable comment. They have multiplied with the growth of the city and leave nothing to be desired for either undergraduate or postgraduate purposes. The clinical advantages of the **Detroit College of Medicine and Surgery** are unexcelled. The ratio of population to the number of medical students in Detroit is greater than in any other medical center in the United States.

Hospitals and Dispensaries

The Detroit College of Medicine and Surgery has clinical affiliations with St. Mary's, Harper, Grace, the Herman Kiefer, Woman's, Providence, and Children's Hospitals and Dispensaries, the Hannah Schloss Memorial Dispensary, Wayne County Asylum, the Detroit Tuberculosis Sanitorium and the Michigan State Sanatoria for Tuberculosis at Howell and Sanford. On account of the close affiliation of the College with the Health Department, students of preventive medicine and those physicians who desire to fit themselves to become efficient health officers will find here opportunities not duplicated perhaps anywhere in this country.

ST. MARY'S HOSPITAL.

St. Mary's Hospital was founded in 1845 and has been doing clinical teaching practically ever since. It has two hundred and forty-two beds. Of this number forty-two occupy entirely new rooms in the addition just erected. Of this number practically all are available for clinical teaching, a nearly equal number being devoted to medical, surgical and gynecological cases. Five thousand one hundred and twenty-one

patients were cared for in St. Mary's Hospital last year. In addition there were one thousand six hundred and twenty-two emergency cases treated in the hospital and not remaining after the first dressing treatment.

Twenty-four thousand four hundred and eighteen treatments were given to patients in Out-Patient Department, Free Dispensary. Every one of these contributed to the medical teaching of the college. During the coming year five new operating rooms, with complete laboratories, X-Ray rooms and internes' quarters are to be erected, and to be ready for the opening of the school, September, 1916, as well as a complete new Out-Patient Department of tile and white marble.

HARPER HOSPITAL.

Harper Hospital was founded in 1862. Four hundred and twenty patients can be cared for at the present time. The West Branch of Harper Hospital, at the plant of the Solvay Company, accommodates an additional forty-eight patients. Two hundred and sixty-six beds are available for clinical teaching, divided as follows: One hundred in surgery; seventy in medicine; thirty in gynecology; twenty in obstetrics; the balance in the specialties. Eleven thousand one hundred and thirty-five patients were cared for in Harper Hospital last year. The Theodore D. Buhl Memorial Out-Patient and Laboratory Building is a model of its kind. There were a total of thirty-eight thousand seven hundred and fifteen out-patient cases handled during the past year, with eight thousand three hundred and twenty-six new admissions. The out-patient clinic is growing with unbelievable rapidity. Harper Hospital provides for thirty-six internes, with six residents.

GRACE HOSPITAL.

The Grace Hospital was founded in 1888. The capacity of the Main Hospital is two hundred and ninety-two beds and of the Convalescent Branch fifty beds. During 1915 six thousand and eighty-two patients were treated in the Hospital, and

sixteen thousand nine hundred and eighty-three were recorded in the Out-Patient Department or Polyclinic; six hundred and seventy-three in the Miriam Memorial Branch and seven hundred and sixty-two in the Emergency Department; and a total of thirty-four thousand four hundred and eighty in all departments. The average number of patients daily during 1915 was two hundred and eight. There are available for the clinical teaching of Surgery sixty-eight to eighty-two beds; Medicine, forty-four to fifty-eight beds; Gynecology, twenty to thirty-four beds; and of Obstetrics, fifteen beds.

HERMAN KIEFER HOSPITAL.

The Herman Kiefer Hospital is the outgrowth of the Public Health work of Detroit. The Tuberculosis Pavilion was built in 1906. Other new pavilions were opened in 1911. The Diphtheria Pavilion was completed in 1913. Pavilions for cases of Measles, Chicken-pox, Erysipelas and other contagious diseases have since been built and equipped. Three hundred and twenty-five patients can be cared for at the present time ,all beds being available for the clinical teaching of medicine. Three hundred patients were treated in the Tuberculosis Pavilion and three thousand three hundred and seventy in the out-patient department at the Board of Health Building, an average of nearly one hundred daily. During 1914 there were admitted nearly four hundred cases of scarlet fever and nearly twelve hundred cases of diphtheria, and a large number of measles, chicken-pox and other contagious diseases, showing that with increased accommodations the number of hospital cases will be annually greater.

WOMAN'S HOSPITAL.

The Woman's Hospital was founded in 1869. It has a capacity of one hundred beds, adults and infants included. Between eight and nine hundred patients are delivered at this hospital annually, and students have an excellent opportunity to deliver cases under supervision and instruction.

PROVIDENCE HOSPITAL.

The House of Providence was established in 1869. In 1909 it was moved to its present site on the Boulevard, and reopened as Providence Hospital. It has three hundred beds for adults and two hundred for children. The abundant obstetrical facilities of this Hospital have been utilized for clinical instruction since 1891. There were three thousand three hundred and five hospital patients during 1915. There are seventy-five beds devoted to obstetrics. There were one thousand four hundred and two surgical, one thousand and eighty-seven medical and eight hundred and sixteen obstetrical patients in 1915.

CHILDREN'S FREE HOSPITAL.

The Children's Free Hospital was founded in 1886. There are one hundred and fifty beds, all of which are available for clinical teaching. One-half of the patients are surgical; one-half are medical. One thousand eight hundred patients were cared for in the Children's Free Hospital last year. There were over four thousand two hundred different patients cared for in the Out-patient Department last year.

SCHLOSS MEMORIAL DISPENSARY.

The Schloss Memorial Dispensary was instituted in 1908. It is entirely an Out-patient Department, including all branches of medicine and surgery and special lines. There were in 1915 over twelve thousand four hundred and thirty-one cases.

WAYNE COUNTY HOSPITAL AND WAYNE COUNTY INFIRMARY.

The Wayne County Hospital and Wayne County Infirmary are located at Eloise, sixteen miles from Detroit, the former caring for six hundred and fifty insane patients, the latter for over twelve hundred of the county's indigent poor. The

former furnishes abundant material for the psychiatrical clinics held there, the latter for the neurological clinic. These two institutions are among the largest and best equipped and managed in the country.

DETROIT TUBERCULOSIS SANATORIUM.

The Detroit Tuberculosis Sanatorium was established in 1910. It has one hundred and twenty beds, of which fifty are available for the clinical teaching of Medicine. Twenty-five of these beds are devoted to tuberculosis in children. About four hundred patients were treated in that institution last year. They include cases of all grades and of many other organs besides the lungs.

MICHIGAN STATE SANATORIUM.

The Michigan State Sanatorium was established by Act of the Legislature in 1905. It is located in Livingston County, about two and a half miles southwest of the village of Howell. The grounds contain 272 acres. One hundred and thirty-two patients can be cared for at the present time. In addition, there is a cottage for twenty-nine girls from five to fifteen years, and similar provision is being made for boys. Fifty beds are available for the clinical teaching of Medicine. About one thousand patients were cared for in the Sanatorium last year.

MICHIGAN HOME FOR FEEBLE-MINDED.

Michigan Home and Training School is located at Lapeer, about sixty miles north of Detroit. This is an institution for the State's feeble-minded, of whom about eleven hundred are constantly cared for. A general clinic is held there one day each year under the charge of Dr. H. A. Haynes, superintendent, and staff of physicians and instructors.

Library Facilities

The library facilities of the college have been greatly improved by changing the location of the library and its character.

THE H. O. WALKER MEMORIAL LIBRARY.

The College general library has been removed to the enlarged Faculty Room on the first floor, and christened the H. O. Walker Memorial Library. There have been erected permanent bookcases and collected a working library of standard medical text and reference books and medical journals calculated to be useful and attractive to students of medicine. The class of 1919 has instituted an annual contribution of books to the library. They are accessible throughout the day and evening and in charge of a librarian.

DEPARTMENT LIBRARIES.

Each laboratory department has also its own library of special books and periodicals pertaining to its own branch. These are available to students without extra charge. Research workers will be encouraged and assisted.

WAYNE COUNTY MEDICAL SOCIETY LIBRARY.

Students have access also to the large library of the Wayne County Medical Society in its own building at 33 East High Street. That library contains fifteen thousand bound volumes, including duplicates, and two thousand unbound volumes and pamphlets. Eighty medical journals are kept on file. A librarian is in attendance and will give valuable assistance in research work.

DETROIT PUBLIC LIBRARY.

Students of the College may use freely also the large Public Library of the City of Detroit. It embraces the Central Library on Gratiot Avenue, between Farmer Street and

Library Avenue, and twelve branches and twenty-seven stations, located in the various parts of the city. On July 1, 1914, the whole number of books was three hundred thirty thousand. Thirty-seven thousand four hundred and fifty-two volumes were added during the year ending June 30, 1914.

Alumni Fellowship

The Alumni Association has arranged to set aside annually the sum of five hundred dollars to establish and maintain a graduate fellowship to be known as the Alumni Association Fellowship of the **Detroit College of Medicine and Surgery.**

By the terms of the appropriation the candidate must have a baccalaureate degree and be a graduate in medicine of the **Detroit College of Medicine and Surgery** of not less than one or more than ten years' standing, and pursue such post-graduate studies at home or abroad as shall be approved by the Faculty.

Scholarships

By bequests of alumni and friends of the College, several scholarships, to the amount of the tuition charges, have been created and will be offered to such deserving students in the **Detroit College of Medicine and Surgery** as shall be approved by the Faculty and donors.

MARY C. SCOTTEN SCHOLARSHIPS.

Mrs. Mary C. Scotten provided in 1913 for the tuition of four deserving students for four years.

EDWIN S. GEORGE SCHOLARSHIPS.

Edwin S. George, Esq., provided in 1913 for the tuition of two deserving students for five years.

ALUMNI SCHOLARSHIPS

The alumni have also subscribed to an alumni scholarship fund, sufficient to defray the tuition charges for eight deserving students for three years.

Other alumni scholarships are being established by classes and are expected to provide annually for the tuition of additional deserving students in this College.

Hospital Positions

There are in and adjacent to the City of Detroit more than eighty positions as resident physicians in the various hospitals that are open to the graduates of the **Detroit College of Medicine and Surgery.** Some of these appointments are requested from the Faculty of the College, in which cases the selections are determined by scholarship and ability. The majority, however, are secured by general competition. They are distributed as follows:

In St. Mary's Hospital there are nine positions; in Harper Hospital, thirty-six; in the Grace Hospital, twenty-two; in Providence Hospital, eight; in the Herman Kiefer Hospital. four, in the Children's Free Hospital two, and in the Ford Hospital one.

There are also a number of resident positions for graduates and senior students open each year in the Marine, St. Luke's, and Samaritan Hospitals, in the Detroit Tuberculosis Sanitarium, the Boulevard Sanitarium, and the Wayne County Asylum, as well as interneships in hospitals and asylums in adjacent cities and other assistantships which in the past have been occupied by graduates of this College, and are open to our graduates.

The term of service in these institutions varies from one to two years. In some the service is restricted to either medicine or surgery, but in the majority it is mixed.

For several years every graduate of this College has had the opportunity of securing one of these positions, and a large percentage of our graduates are annually availing themselves of them.

Fifth Year

The Detroit College of Medicine and Surgery has instituted a Fifth Year Course, by the completion of which graduates of this College, who hold an academic degree, may become candidates for a Master's degree in Medicine.

Such students will register in the Graduate Department of the College at the opening of the session and must spend at least an academic year as an interne in an approved hospital, arrangements for which have already been made, or in doing advanced work in the College, or both, and present a satisfactory thesis.

The work will be under the direction of a committee of the Faculty, and each student will pursue his work under a special adviser appointed by that committee.

Requirements for Admission

Only men are admitted to the regular course in Medicine.

Admission to this College is secured by a completed or unconditioned medical student's certificate granted by a State Medical Examining and Licensing Board, or a board empowered by statute to grant such certificates, providing that said certificate is granted on no less than one of the following requirements:

(1) A bachelor's degree from an accredited college or university accompanied by a certificate for not less than eight semester hours each in physics, chemistry, biology, and German or French.

(2) A diploma and transcript of record from a fully accredited high school, normal school or academy requiring for admission evidence of the completion of a standard course in primary and intermediate grades, and for graduation, the completion of a standard four-year high school course, embracing two years (2 units) of mathematics, two years (2 units) of English, two years (2 units) of Latin, or one year of Latin and two years of a foreign language, one year (1 unit) of American history and civics, and seven years (7 units) of further credit in language, literature, history or

science, making the total of units at least fourteen; and in addition, one year each of physics, chemistry, biology and German or French of college grade of each not less than eight semester hours.

(3) An examination in the following branches totaling fourteen units:

(a) Required, 7 or 8 units:

	Units
Mathematics (minimum two years, maximum three years), algebra and plane geometry	2
English (minimum two years, maximum four years)	2
Latin (minimum one year, maximum four years)	2
(One foreign language, minimum two years, maximum four years; accepted if one year only of Latin is presented)	(2)
History (U. S.) and civics	1
Total number of required units	7 or 8

(b) Elective, 8 or 7 units to be selected from the following:

	Units
English language and literature (in addition to the required work)	1 to 2
Foreign languages, additional, Latin, German, Italian, French, Spanish, or Greek (not less than one year in any one)	1 to 4
Advanced mathematics, advanced algebra, solid geometry and trigonometry (½ year each)	1
Natural science, chemistry 1 year, physics 1 year, and biology, and botany, physiology and zoology (½ to 1 year each)	½ to 2
Earth science, physical geography, geology and agriculture (½ year to 1 year each)	½
Astronomy (½ year)	½
Drawing (½ to 1 year)	½ to 1
History, ancient, mediaeval and modern, and English (1 year each)	1 to 3
Economics (½ year)	½
Manual training 1 year)	1
Bookkeeping (½ to 1 year)	½ to 1

One unit in any subject is the equivalent of work in that subject for four or five periods per week for a year of at least thirty-six weeks, periods to be not less than forty-five minutes in length. One unit is equivalent to two semesters credits, or 2 points.

And in addition, one year each of physics, chemistry, biology and German or French of college grade, of each not less than 8 semester hours.

The Preliminary College Year

MINIMUM REQUIREMENTS.

Beginning January, 1918, the minimum requirements will be increased to two (2) years of college work, consisting of 60 semester hours. This requirement must be satisfied by all students seeking admission in September, 1918.

The minimum requirements for the Preliminary College Year are as follows:

(a) The Preliminary College Year shall extend through one college session of at least thirty-two weeks, of actual instruction, including final examinations.

(b) In excellence of teaching and in content, the work of this preliminary college year shall be equal to the work done in the freshman year in standard colleges and universities.

(c) This Premilinary College Year shall include courses in Physics, Chemistry, Biology and German or French, each course to embrace at least eight semester hours of didactic and laboratory work in each subject as shown in the following schedule, provided that a student may satisfy the requirement of physics in presenting one unit of high school physics and completing a half year of college physics which continues and does not duplicate the work done in the high school. Provided, also, that a student may satisfy the requirement of French or German by presenting two units of regular high school work in either language and completing a half year of college work in that language, which continues and does not duplicate the work done in the high school, or by presenting three units of regular high school work in French or German, or he may be conditioned one year in college German, provided he already has credits amounting to 30 or more semester hours.

Entrance conditions until January 1, 1917:

A student may be admitted with certain subject conditions, provided, he has completed at least one year (thirty semester hours . . .) of work in an approved college of liberal arts or science, provided no conditions may be permitted in the prescribed eight semester hours of college chemistry. These conditions may be either in (1) or (2), but not in both: (1) In one-half (four semester hours) of the required course in physics, or (2) in one-half of the required course in biology (four secmester hours), or in zoology (three semester hours). These conditions must be removed before the beginning of the work of the second medical year, and the credits for these conditions must be in addition to the required thirty semester hours.

(NOTE.—Deficiencies in preparation may be made up in large part in attendance at a Summer session of the university, either before or following the freshman medical year.)

After January, 1917, the year of College Physics can no longer be reduced by presenting high school physics, and no entrance conditions in any subject will be permitted.

SCHEDULE.

Subject	Lectures or Recitations Per Week	Laboratory Periods Per Week	Total Hours Per Semester	Total-Semester Hours Per Year
Physics, 1	2	2	4	8
Chemistry, 1	2	2	4	8
Biology, 1	2 or 3	2 or 1	4	8
German or French, 2	4 or 3	.....	4 or 3	8 or 6
Total	10	6 or 5	16 or 15	32 or 30

*Each laboratory period must extend over at least two hours.

OR, EXPRESSED IN CLASS HOURS:

Subject	Total Hours Lectures or Recitations	Total Hours Laboratory Work	Total Minimum Hours Didactic and Laboratory
Physics, 1	64	128	192
Chemistry, 1	64	128	192
Biology, 1	64 or 96	128 or 64	192 or 160
German or French, 2	128 or 96	.....	128 or 96
Total	320	384 or320	704 or 640

SUBJECT MATTER.

It is recommended that the courses of the preliminary college year, in order to prepare the student as efficiently as possible, should, at least, include the following essentials:

French or German. The principles of Grammar and of Composition and the translation of three or four hundred pages of text. The student should have a reading knowledge of either French or German.

Physics. Lectures, recitations and laboratory work performed by the student, covering the subject of General Physics and directed particularly to the Physics of Mechanics, Heat, Sound, Light, Electricity and Magnetism.

Chemistry. Lectures, demonstrations, recitations and laboratory work in General Inorganic Chemistry and Qualitative Analysis. One semester should cover the general chemistry, properties and laws of the chemical elements and one semester should be devoted to lectures and laboratory work on Qualitative Analysis together with the determination of thirty (30) unknowns—of which twenty should be solutions and ten powders.

Biology. The year in Biology should consist of Lectures, Demonstrations, Recitations and Laboratory work on the Morphology, Embryology and Physiology of typical plants and animals. At least one semester should be devoted to the study of typical cryptogams and phanerogams of the plant series, and one semester to the study of typical invertebrates and one typical vertebrate of the animal series.

PRE-MEDICAL COLLEGE COURSE

Prospective students of medicine who have completed the standard high school course may take the pre-medical college course in any institution registered in the North Central Association of Colleges, where the required work can be completed in one academic year.

The following institutions are on the approved list of this Association. Credits from institutions not so listed are not accepted. The Junior College course of the Detroit Central High School begins September 4, 1916, and students cannot enter after the first week.

MICHIGAN

Adrian College
Albion College
Alma College
Detroit Central High School
(Junior College Course)
Mt. Pleasant Normal
Hillsdale
Hope
Ypsilanti Normal
Kalamazoo College
Kalamazoo Normal
Ferris Institute
Grand Rapids High School
(Junior College Course
Michigan Agricultural College
Northern State Normal College
University of Michigan

OHIO

Baldwin-Wall College
Case Sc., Ap. Sci.
College of Wooster
Heidelberg University
Hiram College
Kent Normal College
Kenyon College
Lake Erie College
Marietta College
Miami University
Mount Union College
Ohio State University
Ohio Wes. University
Ohio U. Athens
Otterbein University
University of Akron
University of Cincinnati
Western College for Women
Western Reserve University

INDIANA

Butler University
DePauw University
Earlham College
Franklin College
Hanover College
Terre Haute Normal College
Indiana University
Purdue University
University of Notre Dame
Wabash College

Students should assure themselves of the character and completeness of their credentials, as none are matriculated who present less than fourteen units of the standard four-year high school course, together with the required work of the pre-medical year.

IMPORTANT.—In order to avoid errors and uncertainty, every application for admission should be submitted to the administrative officer of the applicant's high school and college. This officer should correct or fill out the application in every detail, affix his signature and the seal of the institution, then mail the application directly to the Secretary of the Detroit College of Medicine and Surgery.

EXAMINATION FOR ADMISSION

In lieu of recognized credentials, examinations for admission to the pre-medical college course are conducted by or under the authority of the Michigan State Board of Registration in Medicine, and will be held at the Detroit Central High School at 9:00 A. M. the second Tuesday of September. Inquiries may be made of Principal David MacKenzie, B. A., Central High School, Detroit, Michigan, Chairman of the Board of preliminary examinations.

STATE BOARD OF PRELIMINARY EXAMINERS

DAVID MACKENZIE, A. B. (Univ. Mich.), *Chairman*
Principal, Central High School, Detroit
J. REMSEN BISHOP, A. B. (Harv. Univ.)
Principal, Eastern High School, Detroit
WILLIAM A. MORSE, A. B. (Univ. Mich.)
Principal, Western High School, Detroit
EDWIN L. MILLER, A. M. (Univ. Mich.)
Principal Northwestern High School, Detroit

Applications should be sent to the Chairman of the Board of Preliminary Examiners, a week prior to date of examination.

A fee of $5.00 is to be paid in advance for the examination, or any part of it.

Qualifications for Endorsement of Preliminary Education by Michigan State Board of Registration in Medicine

RECOGNIZED CREDENTIALS

The following credentials are recognized by the Board as fulfilling the requirements of the Medical Act for entrance to college grade year, provided such credentials are in harmony with and equal at least to the Minimum Standard of Secondary Education as determined by the Board:

(a) A diploma from a recognized and reputable high school, normal school or academy, having a classical course, issued after four years of study, of at least eight months in each separate year:

(b) A teacher's permanent or life certificate granted upon examination by the State Board of Education.

(c) A medical student's certificate issued upon examination by any recognized State Board of Medical Examiners.

(d) A student's certificate of examination for admission to the freshman class of a recognized literary or scientific college.

(e) A certificate issued by the Board of Preliminary Examiners in Michigan, of having passed the Board's Minimum Standard of Secondary Education.

MINIMUM STANDARD OF SECONDARY EDUCATION, AS REQUIRED BY THE MICHIGAN STATE BOARD OF REGISTRATION IN MEDICINE, FOR ENTRANCE TO RECOGNIZED MEDICAL COLLEGES.

Detail of Academic (secondary) Work and Examination:

Required Studies	Counts Accepted—Minimum	Maximum
English, Grammar, Rhetoric and Composition	10	15
Mathematics	10	20
Latin	10	20
History	5	20
Total of required studies	35	
Elective Studies		
Greek	10	15
French	8	10
German	8	10
Spanish	8	10
Physics	4	5
Chemistry	4	5
Botany	4	5
Zoology	4	5
Biology	4	5
Physiology and Hygiene	2	5
English Literature	5	5
Trigonometry	2	2½
Physical Geography	2	5
Manual Training	2	5
Domestic Science	2	5
Drawing	2	2½

A minimum total of 70 counts of required and elective studies.

Applicants presenting a literary or scientific degree from a recognized university or college are exempted from furnishing detailed statements of preliminary education.

NOTES AND COMMENTS.

1. As used in this table, a count is the measure of the work successfully completed in a secondary or high school pursued an entire school year of 36 weeks in one weekly recitation period of not less than forty-five minutes. (Five counts equal one unit; one point equals one-half unit; one hour or one credit equals one count.)

2. The required group, 35 counts, must be presented by all applicants. Sufficient counts to make a total of 70 counts required may be selected from the elective group. The credit which will be accepted in the several studies is shown by the printed figures.

3. English Literature of the elective group may not be counted unless a year has been given to the subject, in addition to the required ten counts in English, and Trigonometry may not be counted unless it is in addition to the required ten counts in Mathematics.

4. Civics is not accepted as a subject, but may be counted as a part of American History.

5. Biology is the equivalent of Botany and Zoology, and it can be given no credit if an applicant is credited with Botany or Zoology.

6. Holders of recognized literary or scientific degrees are not required, upon presentation of an accepted diploma, to submit the detail of their secondary education.

Note—An applicant for endorsement of Secondary Education presenting a recognized high school diploma, or an equivalent credential, of a minimum standard of not less than sixty-five Counts, in accordance with the Minimum Standard of Preliminary Education adopted by the Board, may be conditioned 5 Counts in Latin, but must remove such condition before the Michigan Board of Preliminary Examiners or other recognized authority (course and examination in an authorized literary college or attendance and examination in a recognized secondary or high school) before beginning a course in a recognized medical school counting toward the degree, otherwise the applicant will be held as not having complied with the requirements of the Board relative to its Standard of Preliminary Education; Provided, That if at the time of seeking endorsement, the applicant in addition to the sixty-five Counts required in the recognized diploma or certificate as a qualification for condition, presents a recognized supplemental certificate of course and examination in necessary studies not covered in the diploma or certificate presented of a date prior

to registration or matriculation in a medical school, such supplemental certificate may be made a part of and included in the original diploma or certificate upon which an endorsement is sought in accordance with the method of standard adopted by the Board.

Subsequent to January 1, 1914, applicants must also furnish, on a separate blank, as a minimum, an approved certificate of one year of college grade work in Physics, Chemistry, Botany and German or French. Applicants possessing a literary or scientific degree from a recognized university or college are exempted from furnishing detailed statements of secondary education.

An applicant presenting a recognized credential for endorsement, of a total value of not less than 70 counts, minus 5 counts of the required 10 counts in Latin, which credential includes 10 counts in one of the modern languages listed, or 10 counts in Greek, such credential will be accepted for endorsement.

In addition to Credentials (b), (c), (d), (e) or (f), the applicant must furnish an approved certificate of one year of college grade work in Physics, Chemistry, Biology, and German or French, the detail of which is recorded on page 50.

For further information concerning the requirements of the Michigan State Board of Registration in Medicine, address

B. D. HARISON, M. A., M. D. *Secretary,*
504 Washington Arcade, Detroit

ADMISSION TO ADVANCED STANDING

Graduates in Arts or Science of an accredited college, who have taken college courses in Chemistry, Histology, Physiology or Bacteriology, may be given subject credit for the work done in these branches, providing they present satisfactory credentials to the head of the department of having passed the required examination.

Students from accredited medical colleges may be admitted to advanced standing under the following rules:

1. They must present satisfactory evidence of having met the entrance requirements of this college.

2. They must present credentials from the proper officer of the medical college attended, showing that they were registered medical students and in residence for the time for which credit is sought and that they have paid all financial obligations.

3. They must present official credentials of having completed courses of the same scope and extent as the course for which they seek credit. These credentials must be accompanied by a certificate from the Dean or corresponding officer, supporting the facts under the seal of the college.

GRADUATES IN MEDICINE.

A graduate from another medical college may obtain a diploma and degree of Doctor of Medicine from this college under the following conditions:

1. He must comply with the conditions for admission to this college, submit the required time and subject credits from the college from which he graduated, together with his diploma.

2. He must be in residence at the **Detroit College of Medicine and Surgery** one full college year, and take all the courses included in the curriculum of the fourth year.

3. He must pass examinations in all the subjects of the fourth year curriculum, and conform to all other requirements for graduation required of the students of this college.

SPECIAL STUDENTS.

Graduates in medicine and others desiring to take courses not leading to graduation may be registered as special students, and may be admitted to such courses as they are fitted to take without preliminary examination, but only by permission of the Dean and the heads of the departments giving the courses and upon payment of the fees required. Courses completed satisfactorily to the heads of the departments will be accepted subsequently for "subject credit" only if the student enters upon a regular medical course. No "time credit" is allowed for work done by those registered as special students.

Curriculum

The curriculum has been carefully developed. The central idea is to give such training and knowledge as are essential for a successful general practitioner.

The work is arranged in three kinds of courses: didactic, practical and clinical. The didactic courses include lectures, recitations and demonstrations; the practical courses are those in which the student actively participates, whether in the laboratory or in the dispensary and by the bedside; the clinical courses include amphitheatre clinics, clinical lectures and demonstrations.

The entire course is organized into the following ten departments and eleven sub-departments:

I. Anatomy, Histology and Embryology.
II. Chemistry.
III. Physiology.
IV. Pharmacology and Therapeutics.
V. Pathology and Bacteriology.
VI. Medicine, including the Sub-departments of
    1. Pediatrics.
    2. Neurology and Pcychiatry.
    3. Dermatology and Syphilology.
    4. Jurisprudence, Ethics and Economics.
    5. Roentgenology.
VII. Surgery, including the Sub-departments of
    1. Orthopedic Surgery.
    2. Urology.
    3. Ophthalmology.
    4. Rhinology, Laryngology and Otology.
    5. Proctology.
    6. Experimental Surgery.
VIII. Obstetrics.
IX. Gynecology.
X. Preventive Medicine and Public Health.

The full period of medical study comprises four sessions in four separate years. Each session embraces thirty-two weeks of actual instruction, and is divided into semesters and sub-

divided into semi-semesters. This division of the time gives opportunities for short, comprehensive courses, and frequent reports.

The first two years are devoted to the fundamental medical sciences, a large part of the time being spent in the laboratories. In the last two years the clinical branches are taken up, the student devoting himself largely to practical work in the medical and surgical laboratories and in the hospital wards and dispensaries.

The College reserves the right at any time to make such changes in the curriculum as may be deemed necessary or advisable.

DEPARTMENT OF ANATOMY, HISTOLOGY AND EMBRYOLOGY.

PROFESSOR JOSEPH H. HATHAWAY, A. M., M.D.....
.....*Head of the Department*
PRESTON M. HICKEY, A. B., M. D.....*Professor*
WILLIAM HAMILTON, M. B.....*Assistant Professor*
RAYMOND C. ANDRIES, M. D. .....*Assistant Professor*
EDWARD J. O'BRIEN, M. D. .....*Instructor*
GROVER C. PENBERTHY, M. D. .....*Instructor*
CARL D. FULLER, M. D. .....*Instructor*
WILLIAM R. CLINTON, M. D. .....*Instructor*
MORRIS D. SILVER, M. D. .....*Instructor*
C. HOLLISTER JUDD, M. D. .....*Instructor*
ROBERT FRANKLIN FOSTER, M. B. .....*Instructor*
ARTHUR E. SCHILLER, M. D. .....*Instructor*
HARRY N. TORREY, M. D. F. A. C. S.....*Instructor*
JAMES H. DEMPSTER, A. B., M. D.....*Instructor*
.....*Instructor in Drawing*
ALBERT E. CATHERWOOD, M. D. .....*Laboratory Assistant*
JOHN ENEBO .....*Technician*

In the Department of Anatomy are included all the courses dealing with the various anatomical sciences—Gross Anatomy, Histology, Embryology and instruction in the Art of Medical Drawing and Illustration.

The courses in Gross Anatomy, with the exception of the Anatomy of the Nervous System, are given in the first year. The courses consist almost entirely of laboratory work, but they are supplemented by recitations and demonstrations which are given to small sections of the class. In these dem-

onstrations constant reference is made to the important relations between Anatomy, Embryology, Morphology and Physiology, and to Applied Anatomy.

The work of each student is, for the most part, independent of that of the others. He is held responsible for the good care and the proper use of material assigned to him.

The character of his work is judged largely by the care with which his dissection is done, his knowledge of it, and by his general attitude and deportment. His proficiency is therefore determined, in the main, by the record that he makes from day to day. His work is followed closely by personal quizzes and demonstrations which are given by the members of the instructing staff.

Dissection commences at the opening of the session and is carried on throughout the year. The body is divided into an upper and a lower part and two men are assigned to each half. The subjects of Osteology and Syndesmology are taught and studied directly in connection with the dissection of each part, and the work is closely followed by demonstrations and recitations. A set of bones is loaned to each student for use in his room and in the laboratory. There is also an ample supply of articulated skeletons and joint preparations in the laboratory for reference.

A very comprehensive collection of models of the viscera, the sense organs, the nervous system and embryology is provided for demonstration purposes and for use by the students. The Department also possesses complete apparatus for drawing, photography and projection, and is supplied with the best charts, well mounted. In the Department Library there is a collection of standard books and periodicals for reference.

The course in Histology and Embryology consists of the study of stained sections of tissues and organs of the body, combined with preparations of fresh material and with the more minute dissections of the organs. Human tissues are made use of, but they are supplemented by the use of those from animals when necessary for clearness and comparison. The principal methods of microscopical technique are taught

and are performed by the students during the progress of the course. The essential principles in the use and care of the microscope are considered first, and then the study of cell structures, tissues and the miscroscopic anatomy of the organs are taken up in logical order. Embryology follows, and this consists of a thorough course of lectures and laboratory work, dealing with embryonic development of the sex cells, segmentation, the germ layers, and the development of the organs and systems. This work is supplemented by demonstrations with the projection lantern and with models.

The gross and microscopic Anatomy of the Nervous System is given in the first semester of the second year. A systematic dissection of the spinal cord and brain is performed by each student. This work is followed by a study of the microscopic anatomy of the nervous system and sense organs, in which the nuclei of the brain and cord and the fiber tracts are located and traced.

In connection with the Department of Anatomy there are established courses of instruction in Art as Applied to Medicine. These courses consist of illustrated lectures upon the principles and methods of scientific drawing and illustration. They are given by an anatomical artist, who also gives individual instruction in the laboratories to the students in gross Anatomy.

Students who have had suitable preliminary training, and show evidence of proficiency, are encouraged to undertake courses in advanced work or research problems. In connection with the work in the Department of Anatomy a reading knowledge of foreign languages is desirable and is an essential to success in connection with the advanced work.

REQUIRED COURSES.

1. ANATOMY OF THE ARM, HEAD, NECK AND THORAX.

Laboratory work, twelve hours per week for one semester. Dissection of the upper half of the body. Special dissections of the eye, ear and larynx with the aid of models.

Doctor Hathaway and Assistants

2. ANATOMY OF THE ABDOMINAL AND PELVIC WALLS AND VISCERA AND THE LOWER EXTREMITY.

Dissection of the lower half of the body. Laboratory work, twelve hours per week for one semester.

DOCTOR HATHAWAY AND ASSISTANTS

3. ANATOMY OF THE UPPER EXTREMITY, HEAD, NECK AND THORAX.

Demonstrations and recitations for sections of the first and second year students. Three hours per week.

DOCTOR HATHAWAY AND ASSISTANT PROFESSOR ANDRIES

4. ANATOMY OF THE ABDOMINAL AND PELVIC WALLS AND VISCERA AND THE LOWER EXTREMITY.

Demonstrations and recitations for sections of the first year students. Three hours per week.

DOCTOR HATHAWAY.

5. OSTEOLOGY.

Demonstrations and recitations on the anatomy of the bones and joints. These are given to small sections of the class and are closely correlated with the region of the body that is being dissected. One hour per week throughout the year.

DOCTOR O'BRIEN.

6. HISTOLOGY.

Lectures and laboratory work covering the general principles and the use of the Microscope and Microscopical Technique, Histology and Splanchnology. Three lectures and twelve hours laboratory work per week for thirteen weeks.

ASSISTANT PROFESSOR HAMILTON AND ASSISTANTS.

7. EMBRYOLOGY.

Lectures, Recitations and Demonstrations with the aid of projection lantern, charts and models. Three lectures and ten hours laboratory work per week for seven weeks.

ASSISTANT PROFESSOR HAMILTON.

8. ROENTGENOLOGY.

Associated with the Gross Anatomy and Embryology is a course of 12 illustrated lectures explaining the use and interpretation of X-Ray plates and the progress of ossification and skeletal development in the human embryo.

DOCTOR HICKEY.

9. ANATOMY OF THE SPINAL CORD AND BRAIN.

Dissection of formalin hardened brains and of the spinal cord. For second year students. Four hours per week, first semi-semester.

DOCTOR HATHAWAY AND ASSISTANT PROFESSOR HAMILTON.

10. ANATOMY OF THE SPINAL CORD AND BRAIN.

Demonstrations and Recitations for small sections of the second year class. Two hours per week, first semi-semester.

DOCTOR HATHAWAY.

11. MICROSCOPICAL ANATOMY OF THE SPINAL CORD AND BRAIN.

Laboratory work, four hours per week, second semi-semester.

DOCTOR HATHAWAY AND ASSISTANT PROFESSOR HAMILTON.

12. MICROSCOPICAL ANATOMY OF THE SPINAL CORD AND BRAIN.

Demonstrations and Recitations for small sections of the second year class. Two hours per week, second semi-semester.

DOCTOR HATHAWAY.

13. APPLIED ART.

Illustrated lectures upon the principles and methods of Anatomical and Medical Illustration. Two hours per week throughout the year.

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14. APPLIED ART.

Individual instruction in drawing given to members of the classes in Gross and Microscopical Anatomy. Four hours per week throughout the year.

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OPTIONAL COURSES.

15. TOPOGRAPHICAL ANATOMY.

The study of drawings and reconstruction from transverse and sagittal sections of the body. Hours to be arranged.

DOCTOR HATHAWAY.

16. MICROSCOPICAL TECHNIQUE.

Advanced work in the various methods of making microscopical preparations, and special technique. Hours to be arranged.

ASSISTANT PROFESSOR HAMILTON.

17. ADVANCED AND RESEARCH WORK.

Instructions in research methods and technique, involving the investigation of problems in Anatomy, Histology and Embryology. This course is intended for those showing special talent and interest in Anatomy and who may be qualified for a teaching career. In this course a reading knowledge of French and German is indispensable for the accomplishment of successful work. Hours to be arranged.

DOCTOR HATHAWAY.

NOTE.—Those who select optional courses must register with Doctor Hathaway and be responsible for satisfactory work and attendance throughout the course.

GRADUATE COURSES.

18. GROSS ANATOMY.

Dissection of the human body and the study of specially prepared specimens. This course is designed for Physicians or others who may wish to do special work in connection with Anatomy or Surgery. Hours to be arranged.

DOCTOR HATHAWAY.

19. SURGICAL ANATOMY.

The performance of operations upon the cadaver and the investigation of special methods of operative procedure from the anatomical standpoint. Hours to be arranged.

DOCTOR HATHAWAY.

NOTE—Registration with the Secretary and the payment of a special fee is required of applicants who wish to take optional or graduate courses and who are not otherwise connected with the College.

20. SUMMER SCHOOL OF ANATOMY FOR POST GRADUATE AND SPECIAL STUDENTS.

The summer school will begin on the Monday following Commencement and continue eight weeks. This course is designed for students desiring to do special work in dissection and for physicians who wish to do operative work or dissections of certain parts.

The supply of anatomical material is abundant and every facility is offered for post graduate work.

The fee is $25 per part, payable in advance.

SUMMARY OF HOURS FOR REQUIRED COURSES.

	Laboratory	Lectures Demonstrations Recitations	Total
Gross Anatomy	384	128	512
Nervous System	64	32	96
Histology and Embryology	225	72	297
Grand Total	673	232	905

DEPARTMENT OF CHEMISTRY.

JOHN E. CLARK, M. D., F. C. S. (Berlin) ..... *Emeritus Professor*
PROFESSOR CHESTER A. DOTY, B. S., M. S. .....
..... *Head of the Department*
ORRETT TATLOCK, B. S., M. S. ..... *Instructor*
LORNE LAVERY ..... *Technician*

COURSES.

FIRST YEAR.

1. ORGANIC CHEMISTRY; *Professor Doty and Mr. Tatlock.*

Lecture Course.

3 hours a week for one semester.

The aim of this course is to familiarize the student with the principles of chemistry as they are met with in the chemistry of the carbon compounds. A limited number of topics are taken up but the student is taught to master these. Special emphasis is put upon the endeavor to develop in the student the scientific attitude of mind. In order to accomplish this with relative ease, compounds and reactions that are met with in medical sciences are studied by way of illustration of the chemical principles. The student is given numerous exercises to work out, the purpose of these being to train the student to acquire the habit of applying what he learns.

2. ORGANIC CHEMISTRY; *Professor Doty and Mr. Tatlock.*

Laboratory Course.

5 afternoons a week for 6 weeks.

This course begins at about the middle of the semester and continues until about the middle of January.

In the laboratory the student studies the practical methods of the synthesis of carbon compounds. Typical reactions are met with so that the student is furnished with a foundation upon which he can build. In connection with this course, the student is given numerous exercises in synthesis. The principles of chemistry are kept before him in the laboratory as well as in the lecture room.

The students are given very careful and constant individual attention in the laboratory, and are required to keep a note-book in which the various laboratory exercises are to be carefully and thoughtfully discussed.

The course includes an analysis of a sample of nitrogenous matter by means of the Kjeldahl method of determining total nitrogen.

SECOND YEAR.

3. PHYSIOLOGICAL CHEMISTRY; *Professor Doty.*

Lectures 3 times a week during the first semester.

This course begins with the chemistry of the carbohydrates, fats, proteins and cleavage products, the digestive juices, the influences of disease on the same, the cellular chemistry involved in the production of the digestive juices, also liver, pancreas, spleen, kidneys, the blood, etc.

The digestive products are dwelt upon relative to their origin and destination.

4. PHYSIOLOGICAL CHEMISTRY; *Professor Doty and Assistants.*

Afternoons from 2-5 for 8 weeks, second semester.

This work includes the study of fats and oils relative to digestion. Carbohydrates, including the preparation of glycogen, the proteins and their cleavage products.

This course must be preceded by Courses 1, 2 and 3 in this department.

The course is intended to familiarize the student as far as possible with the chemistry of the human body as related to biochemistry.

The study of the fats and oils relative to digestion, of the carbohydrates including the preparation of glycogen and of the proteins and their cleavage products, are among the substances given emphasis throughout the course.

The enzymic action, also composition of saliva is studied. Following the digestive tract, the gastric juice, including the qualitative tests for free hydrochloric acid, lactic acid, pepsin and rennin, are carefully taken up, after which unknowns of the various constituents are given each student, which he works out independently. The pancreatic juice, relative to its ferment action on fats, starchs and proteins, is carefully studied. The bile is next taken up and its various constituents, bile acids and bile salts, with tests for the same, are given attention both from a physiological and chemical standpoint. In this connection gall stones are also studied and their active components identified. Much attention is given the study of the blood, especially to the various tests, chemical, spectroscopic and biological. In the study of the constituents of the blood the proteins occupy a prominent place and are duly considered, especially as regards their separation, both by neutral salts and dialysis. The various tests and chemistry of the same are given due attention.

In the study of the urine, the more important constituents are studied at their proper time. Urea is the first substance to be taken up. A study of its properties, such as melting points, chemistry, etc., in connection of its preparation from urine, is carried out by each student. Uric acid and hippuric acid are taken up in their logical order. Consideration is given to the aromatic bodies of the urine, as well as the sulphur compounds, phenol, skatol, indol, pyrocatechin, etc. Attention is also given to pathological urines and their constituents, such as leucin, tyrosin, cholesterin, bile acids, blood, pus, casts and other recognized forms of the urine.

At this point a thorough drill is given in quantitative analysis by both volumetric and gravimetric methods. Each student prepares decinormal and empirical solutions and estimates chloride, sulphate, sugar, uric acid, phosphates, albumin, etc. The determination of the urea is taken up by the various quantitative methods. Attention is given, also, to the urease method in which each student determines urea and urea nitrogen, both from blood and urine.

Due to the large clinical and hospital advantages, pathological urines are easily accessible, and throughout the course the urines and secretions are submitted to the class for examination.

5. WATER ANALSYIS; ELECTIVE; *Professor Doty.*

A chemical, microscopical and bacteriological study of drinking water is embraced in this subject. The lower forms of vegetable life are studied and identified. A large collection of toxicogenic and non-toxicogenic water organisms has been made in the department of pathology and bacteriology and are at the disposal of this course, offering opportunities to study the effects of the same on animals.

6. FOOD ANALYSIS; ELECTIVE; *Professor Doty and Mr. Tatlock.*

This course consists of the chemical and bacteriological examination of foods.

Only those students who have had sufficient chemical and bacteriological training may pursue this work.

7. ELECTIVE COURSE; *Professor Doty.*

Advanced work in physiological chemistry will be offered to those students showing suitable preparation.

DEPARTMENT OF PHYSIOLOGY.

PROFESSOR WILLIAM F. KOCH, A. B., A. M., PH. D.... .....*Head of the Department*
CARL N. LARSEN. *M. D*.....*Instructor*

The physiological department occupies the south half of the third floor of the college building, comprising three new, well lighted laboratories and a comfortable lecture room equipped with an excellent projection lantern.

The general laboratory is a large, pleasant room, provided with a cabinet table for each student. Each is completely equipped with the best new apparatus designed for the study of the circulation, respiration and muscle and nerve phenomena. A signal clock supplies interrupted current to each table. These are arranged to receive excellent illumination from the ample windows, individual electric lamps and arc lights.

From these tables the conveniences necessary for blacking drums and shellacking tracings are readily accessible. Additional tables, some in isolated rooms, are equipped for special experiments in which the students study upon each other the various reflex phenomena, responses of human nerves to direct and indirect electric currents, blood pressure, circulation, etc.

An adjoining room is thoroughly equipped with apparatus for the study of the circulation and respiration in mammals.

The research laboratory includes a shop with a screw cutting lathe and tools necessary for the construction of special apparatus, a spacious hood, metabolism cages. Apparatus and chemicals are also provided for metabolism investigations.

This department is entirely new and modern. It is constructed and equipped to secure a maximum efficiency and pleasure in the study of its interesting subject and thus invite research in any branch of physiology.

COURSES.

FIRST YEAR.

1. LECTURES AND RECITATIONS; *Doctor Koch.*

6 times a week, last 12 weeks of the second semester.

This course comprises the study of physiology of muscle, nerve, respiration and circulation.

SECOND YEAR.

2. LECTURES AND RECITATIONS; *Doctor Koch.*

3 times a week, first semester.

The study of Physiology of the nervous system, special senses, digestion, metabolism and excretions is taken in this course.

3. LABORATORY COURSE; *Doctor Koch and Assistants.*

4 hours daily for 8 weeks of the first semester.

Practical work in which each student by experiments grounds himself in the fundamental phenomena of nerve and muscle, the circulation and respiration.

The experiments are arranged in such sequence that he logically works up the subject, making careful, intelligent observations and offering explanations in accordance with previous experimentations. Originality is here encouraged.

4. RESEARCH ELECTIVE; *Doctor Koch.*

This course is open to graduate and qualified undergraduate students.

Hours arranged with instructor.

DEPARTMENT OF PHARMACOLOGY AND THERAPEUTICS.

F. Lydston Newman, M. D. .....*Emeritus Professor*
PROFESSOR WALTER H. MacCRACKEN, M. D.....
..... *Head of the Department*
Delos L. Parker, Ph. B., M. D. .....*Associate Professor*
Walter J. Wilson, Jr., M. D. .....*Associate Professor*
Inga M. Werness, B. S., A. B., M. S. .....*Associate Professor*
Elmer L. Eggleston, M. D. .....*Instructor*
Neil L. Hoskins, M. D. .....*Instructor*
George O. Pratt, Ph. G., M. D. .....*Instructor*

COURSES.

The courses in this department are given in the Sophomore and Junior and Senior years as follows:

SECOND YEAR.

1. MATERIA MEDICA; *Doctor MacCracken and Assistant Professor Werness.*

Laboratory and conference work. Four hours a week, first twelve weeks of first semester.

A course devoted to the study of the source, constituents, chemical and physical characters of the more important drugs used in the practice of medicine.

In this course no attempt is made to cover the entire Materia Medica, but selections are made from the groups having a recognized action, and of known therapeutic value.

2. PHARMACOLOGY; *Professor MacCracken.*

Lectures and Demonstrations 4 hours per week, last four weeks of first semester.

A general course on the physiological action of drugs.

3. PHARMACODYNAMICS; *Doctor MacCracken, Assistant Professor Werness.*

Laboratory course. Six hours a week, second semester.

A course in which the action of the more important drugs upon animals is shown. Individual work on the part of the students is required. This is supplemented by such demonstrations as experience has shown to be beyond student technique.

So far as is practicable, a study is made of the action of drugs on the human being, students volunteering for the purpose of experiment.

4. PRESCRIPTION WRITING; *Dr. Pratt.*

Lectures and recitations. One hour a week, second semester.

A course in the language and grammatical construction, the proper vehicle, excipient, etc., that the prescription may not only be attractive to the eye, but also be palatable and effective.

Special attention is given to incompatibilities.

THIRD YEAR.

5. NON-MEDICINAL THERAPEUTICS; *Dr. Eggleston.*

Lectures and recitations. One hour a week, second semester.

The use of remedial measures other than drugs, including Hydrotherapy, Massage, and Electrotherapeutics.

6. GENERAL THERAPEUTICS; *Doctor MacCracken and Associate Professor Parker.*

Lectures and recitations. One hour a week, during entire year.

Each drug or group is studied in detail, giving conditions in which drugs are rationally indicated, or in which their empirical use has been found of value.

This course includes the symptoms and treatment of poisoning.

7. CLINICAL THERAPEUTICS; *Associate Professor Wilson.*

Clinic. One hour, twice a week, second semester.

A practical course demonstrating the action of drugs, to small sections, at the bedside; with discussion of drugs indicated in the given cases, and a class conference in the clinical amphitheater.

8. RESEARCH; *Doctor MacCracken.*

Graduate, and properly qualified undergraduate students will be given facilities for the performance of research along Pharmacological lines, under the supervision of the head of the department.

FOURTH YEAR.

9. ANALYTICAL THERAPEUTICS; *Doctor MacCraken.*

Lectures and Recitations. One hour a week, second semester.

DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY.

PROFESSOR PLINN F. MORSE, A. M., M. D.....
.....*Head of the Department*
EDWIN R. WITWER, M. D.....*Instructor*
ALBERT L. FRENCH, M. D. .....*Demonstrator of Gross Pathology*
..... *Technician*

COURSES.

The laboratories of Pathology and Bacteriology are newly furnished throughout with the most complete and modern equipment obtainable for both elementary and advanced work in these subjects.

The beginning course in Bacteriology is given the first semester of the first year and consists of two hours of lecture and recitation each week throughout the semester, together with a laboratory course during the entire afternoon for eight weeks.

The course begins with the study of forms of Bacteria, Classification, Structure, Chemical products, Division and Reproduction. It is intended to give the student a broad foundation for practical work in Bacteriology, as well as Clinical Medicine. Special attention is given to the study of the chemistry of the Bacterial Cell and its relation to disease.

A large portion of the lecture is given over to the discussion of immunity and its clinical applications.

The protozoal organisms are considered in the elective and advanced courses given in this laboratory.

The pathology is given in the second, third, and fourth years and consists of a graded course in general and special pathology, gross pathology and post mortems. The lecture work begins in the first semester of the second year and extends throughout the session for a total of one hundred and twenty-eight hours.

The laboratory course is given each afternoon for eight weeks, a total of one hundred and twenty hours.

The third and fourth year students are assigned in small sections to autopsies, each student being required to hand in for inspection a complete protocol of at least thirty autopsies before graduation. Each semester an examination is given to both third and fourth year students covering the microscopical and gross material obtained at autopsy during their course. Great stress is laid upon the correlation between pathological and clinical findings and before each autopsy the clinician is present to review the clinical aspects of the case and go on record with an antemortem diagnosis. This greatly increases the practical value of the autopsy to the student. The autopsy material is abundant and is obtained from the various hospital clinics affiliated with the college.

Advanced courses and opportunities for doing research are offered to properly qualified individuals. The equipment for advanced work is especially complete and the material most abundant.

FIRST YEAR.

1. GENERAL BACTERIOLOGY; *Doctor Witwer.*
   Five hours a week, first semester.

2. LABORATORY WORK IN BACTERIOLOGY; *Doctor Witwer and Assistants.*
   Entire afternoon for eight weeks.

SECOND YEAR.

3. GENERAL PATHOLOGY; *Doctor Morse.*
   Five hours a week during the first semester.

4. LABORATORY WORK IN PATHOLOGY; *Doctor Morse and Assistants.*
   Entire afternoon for eight weeks of the second semester.

5. SPECIAL PATHOLOGY; *Doctor Morse.*
   Three times a week during the second semester.

6. AUTOPSIES; *Doctor Morse and Assistants.*
   Gross and microscopical demonstrations of autopsy material.

ELECTIVE COURSES.

7. ADVANCED BACTERIOLOGY; *Doctor Morse.*

   This is a course in advanced bacteriological methods; it includes glass blowing, determination of thermal death points, efficiency of antiseptics and germicides, preparation of vaccines and antiserums, the determination of agglutinins precipitins, lysins and complement-fixing bodies; antigens and their preparation, the Wasserman reaction, diagnosis of rabies, testing of toxines and anti-toxines and the technique of operations with filterable organisms. Special consideration is given to the development of sensitization of foreign proteins and the relation of anaphylaxis to the phenomena of immunity.

   The last part of the course consists of lectures and lantern slide demonstrations of the tropical diseases; the protozoal infections, the spirilloses and the human and animal trypanosomiases.

   This course can be arranged so that the student may work on some clinical bacteriological problem at Harper Hospital, or along some special line of work in which he is interested.

8. PATHOLOGICAL TECHNIQUE; *Doctor Morse and Assistants.*

This is a practical course in the preparation of microscopical and gross pathological specimens. Practice is given in the use of the special staining methods for demonstrating the various morbid changes in special tissues.

This course lays special stress on the practical preparation of surgical material for diagnosis and is intended especially for those who wish to specialize in either pathology or surgery.

9. MEDICAL GERMAN; *Doctor Morse.*

Twice a week, during the second semester.

All classes are admitted to this course, which is intended to help the student acquire the habit of reading the current German medical literature.

DEPARTMENT OF MEDICINE.

GEORGE DUFFIELD, M. D. .....*Emritus Clinical Professor*
PROFESSOR CHARLES G. JENNINGS, M. D.....
.....*Head of the Department*
CHARLES D. AARON, SC. D., M. D.....*Professor of Gastro-Enterology*
ERNEST W. HAASS, M. D.....*Associate Professor*
WILLIAM M. DONALD, M. D. .....*Associate Professor*
THEODORE A. MCGRAW, JR., A. B., M. D.....*Associate Clinical Professor*
HENRY J. HARTZ, M. D. .....*Associate Clinical Professor*
VICTOR C. VAUGHAN, JR., A. B., M. D. .....*Associate Professor*
HUGO A. FREUND, A. B., M. D. .....*Associate Professor*
JOHN LEE, M. D. .....*Assistant Professor*
GEORGE A. MCKEAN, M. D. .....*Assistant Professor*
LEO BREISACHER, M. D. .....*Assistant Clinical Professor*
ALPHEUS F. JENNINGS, A. B., M. D. .....*Instructor*
HENRY R. CARSTENS, A. B., M. D. .....*Instructor*
WALTER J. WILSON, JR., M. D. .....*Instructor*
GEORGE W. WAGNER, M. D. .....*Instructor*
FRED G. BUESSER, M. D. .....*Instructor*
CHANNING H. STILES, M. D. .....*Instructor*
EDWARD W. MOONEY, M. D. .....*Instructor*
NEIL L. HOSKINS, A. B., M. D. .....*Instructor*
C. B. LOCKWOOD, M. D. .....*Instructor*
EDWARD J. AGNELLY, M. D. .....*Clinical Assistant*
ANDREW D. POTTER, M. D. .....*Clinical Assistant*
ELLIS R. GREEN, M. D. .....*Clinical Assistant*
C. S. NORTON, M. D. .....*Clinical Assistant*
ROBERT C. HULL, M. D. .....*Clinical Assistant*
G. L. MCCLELLAND, M. D. .....*Clinical Assistant*
WALTON R. REXFORD, A. B., M. D. .....*Clinical Assistant*

COURSES.

SECOND YEAR.

1. ELEMENTARY PHYSICAL DIAGNOSIS.

Instruction in internal medicine begins in the second semester of the second year with a course in elementary physical diagnosis by *Dr. A. F. Jennings and Dr. Lockwood.* Three hours a week. 48 hours.

This course consists of recitations and practical demonstrations on the normal subject, teaching the methods of exploration of the chest and abdomen, and the signs elicited from normal viscera.

THIRD YEAR.

2. RECITATION COURSE IN GENERAL MEDICINE.

Three hours a week throughout the year. 96 hours. First semester, *Assistant Professor McKean;* second semester, *Assistant Professor Freund.*

This course includes a systematic presentation of the etiology, clinical pathology, symptomatology and diagnosis of the common internal diseases, illustrated by charts, diagrams and pathological specimens.

3. PHYSICAL DIAGNOSIS.

Two hours a week throughout the year. 64 hours. First semester, *Dr. Buesser, Dr. A. F. Jennings;* second semester, *Dr. H. R. Carstens, Dr. Stiles.*

The course is given in the Out-Patient Department of Harper Hospital. The class is divided into sections. The exercises consist of the practical study upon patients of all the physical signs of diseases. Written reports of findings are given by each student and frequent recitations are held, reviewing the subjects practically considered.

4. CLINICAL MICROSCOPY.

Two hours, 5 days a week, in the first semester 80 hours. *Doctor Morse and Assistants.*

The class is divided into sections, each section under an instructor. The students are taught practically the methods of examination of blood, urine, sputum, stomach contents, feces, exudates, etc. Specimens from patients presented in the out-patient clinical course are demonstrated and serve to correlate the laboratory and clinical findings.

5. OUT-PATIENT CLINICAL WORK.

At Harper Hospital, Out-Patient Department, Dispensary work in sections. Mondays, Tuesdays, Wednesdays, Thursdays and Fridays, 10 to 12 A. M. Each session ten hours a week for four weeks. 40 hours.

At St. Mary's Hospital, Out-Patient Department, Dispensary work in sections. Mondays, Tuesdays, Wednesdays, Thursdays and Fridays, 10 to 12 A. M. Each section ten hours a week for four weeks. 40 hours.

This class is divided into sections. Cases are assigned to students who take histories, make the necessary physical and laboratory examinations and report their findings to the instructors, who review the work with criticisms and quizzes. Each student is required to write up four cases each half semester. These case records are reviewed by the Department of Medicine and filed with the Secretary of the Faculty as a permanent record of the student's work.

FOURTH YEAR.

6. LECTURES AND RECITATIONS.

Two hours a week throughout the year. 64 hours. First semester, *Professor Jennings, Professor Aaron;* second semester, *Associate Professor Haass, Associate Professor Donald.*

This is an advanced course covering the symptomatology, diagnosis, and therapeutics of internal diseases. The work is arranged to harmonize with and supplement the hospital bedside instruction and the amphitheater clinics. The subjects are illustrated with charts and diagrams and patients are presented whenever it seems necessary to better teaching.

7. CLINICAL MEDICINE.

This course includes the amphitheater clinics, clinical conferences and bedside instruction in the ampitheaters, wards and Out-Patient Departments of Harper and St. Mary's Hospitals.

At Harper Hospital. Mondays, Tuesdays, Wednesdays, Fridays and Saturdays, 9 to 12 A. M. Section bedside work in the wards. Each section fifteen hours a week for four weeks. 60 hours.

Conference clinic to one-half the class, Tuesdays and Saturdays, 12 to 1 P. M. 16 hours.

At St. Mary's Hospital. Mondays, Tuesdays, Wednesdays, Fridays and Saturdays, 10 to 12 A. M. Section bedside work in the wards. Each section ten hours a week for four weeks. 40 hours.

Conference clinic to one-half the class, Tuesdays and Saturdays. 12 to 1 P. M. 16 hours.

In this course cases are assigned to students who make complete clinical and laboratory examinations and report their findings in writing to the instructors, who review the work with discussions and criticisms. Each student is required to write up four cases each half semester. These cases are reviewed by the Department of Medicine and filed with the Secretary of the Faculty as a permanent record of the student's work.

8. INFECTIOUS DISEASES.

The acute infectious diseases and tuberculosis are taught in a course of clinical lectures and bedside instruction at the Herman Kiefer Hospital under the direction of the Department of Preventive Medicine.

9. SPECIAL COURSES.

During the second semester a special course in internal medicine will be given at Harper Hospital to advanced students and graduates in medicine. The course will extend over a period of eight weeks and will include bedside clinical work and original investigation in some special field under the direction of the senior teachers of the department. A special course in cardiac pathology with practical work with Electro-cardiograph will be given by Assistant Professor Freund.

SUBDEPARTMENT OF PEDIATRICS.

CHARLES DOUGLAS, M. D. ..... *Emeritus Professor*
ARTHUR D. HOLMES, M. D. ..... *Emeritus Professor*
B. RAYMOND HOOBLER, A. M., M. D., HEAD ..... *Professor*
HERBERT M. RICH, B. L., M. D. ..... *Assistant Professor*
ISAAC L. POLOZKER, M. D. ..... *Assistant Professor*
JACOB H. POLOZKER, M. D. ..... *Assistant Professor*
S. GRANT MCDONALD, M. D. ..... *Assistant Professor*
FREDERICK B. BURKE, M. D. ..... *Assistant Professor*
WALTER D. FORD, M. D. ..... *Clinical Assistant*
ALEXANDER M. STIRLING, M. D. ..... *Clinical Assistant*
H. A. MCFAYDEN, M. D. ..... *Clinical Assistant*

COURSES.

THIRD YEAR.

1. RECITATIONS COURSE; *Assistant Professor Rich; Assistant Professor Polozker.*

Two hours a week, first semester. 32 hours.

This course gives the student an introduction to the study of the diseases of children and covers the physiology and pathology of child nutrition and development.

2. CLINICAL COURSE.

Section clinics, Harper Hospital Out-Patient Department; Pediatric clinic.

Each section two hours a day for 2 weeks. 20 hours. *Assistant Professor Rich and Dr. Ford.*

Children's Free Hospital Out-Patient Department. Each section two hours a day for 2 weeks. 20 hours. *Doctor McFayden.*

3. NURSERY CLINICS.

Women's Hospital and Infant's Home. Each section two hours a week for 5 weeks. 10 hours.

This course will consist of a study of the normal infant; breast and artificial feeding of normal infants; problems pertaining to wet nursing and the nursery. *Professor Hoobler.*

FOURTH YEAR.

1. LECTURES; *Professor Hoobler.*

One hour a week throughout the year. 32 hours.

2. CLINICAL CLERKSHIPS; at Children's Free Hospital.

Each section will spend three hours a day three days a week for 4 weeks as clinical clerks in hospital. This course will enable each student to follow a series of cases, assigned to them throughout their entire stay in the hospital. Students will make use of clinical laboratory for examinations of stools, urine, blood, etc., and will have a course in formula preparation in the diet kitchen. *Professor Hoobler and Assistant Clinical Professors McDonald, Burke and Polozker.*

3. CLINICAL CONFERENCES.

One hour each month throughout the year at Harper Hospital. *Professor Hoobler and Assistant Professor Rich.* 8 hours.

4. LABORATORY COURSE AT CHILDREN'S FREE HOSPITAL.

Each section will spend 3 hours each week for four weeks. The course covers a study of the chemistry of milk, preparation of formulae, chart making, analysis of faeces and the interrelation of clinical findings as met with in childhood.

SUBDEPARTMENT OF NEUROLOGY AND PSYCHIATRY.

AUGUSTUS W. IVES, M. D., HEAD.....*Professor*
DAVID INGLIS, M. D. .....*Clinical Professor*
CHARLES W. HITCHCOCK, A. M., M. D. .....*Associate Professor*
WARREN L. BABCOCK, M. D. ..... *Associate Clinical Professor*
WESLEY TAYLOR, M. D. ..... *Assistant Clinical Professor*
JOHN J. MARKER, M. D. .....*Assistant Clinical Professor*
GUY L. CONNOR, M. D. .....*Assistant Clinical Professor*
RAYMOND L. CLARK, M. D.....*Assistant Clinical Professor*
H. A. REYE, M. D.....*Assistant Clinical Professor*
DAVID R. CLARK, M. D.....*Assistant Clinical Professor*
HENRY A. LUCE, M. D. .....*Instructor*
J. FRANK KILROY, M. D. .....*Clinical Assistant*

COURSES.

THIRD YEAR.

1. NEUROLOGY.

One hour a week, one semester, 16 hours. *Associate Professor Hitchcock.*

During the first half of the semester, the methods of case history taking and of neurological examination are taught and demonstrated; the second half of the semester is devoted to the systematic consideration of the neuroses.

2. NEURO-PATHOLOGY.

Two hours daily, two weeks. 20 hours. *Doctor Reye.*

A laboratory course, covering the macroscopic and microscopic examination and study of the brain and cord, supplemented by lectures, quizzes and lantern slide demonstrations.

3. SECTION CLINICS.

Two hours a week, five weeks. 190 hours. *Professor Taylor and Dr. Kilroy.*

At Harper Hospital and St. Mary's Out-Patient Department. Practical exercises in case history taking, demonstrations and neurological examinations.

FOURTH YEAR.

4. NEUROLOGY.

One hour a week, first semester. 16 hours. *Professor Ives.*

This and the following course will be supplemented with cases.

5. PSYCHIATRY.

Once a week, second semester. 16 hours. *Professor Ives.*

6. CLINICAL CONFERENCES.

Throughout the year at St. Mary's, Harper and Grace Hospitals. 24 hours. *Professors Ives, Hitchcock and Babcock.*

7. BEDSIDE AND DISPENSARY CLINICS.

In sections at St. Mary's Hospital and Free Dispensary and Harper Hospital Out-Patient Department. 16 hours. *Professor Taylor.*

8. AMPHITHEATER AND BEDSIDE CLINICS.

At Wayne County Hospital and Wayne County Infirmary at Eloise; *Professors Ives and Marker.* At the Michigan State Hospital at Pontiac; *Dr. E. A. Christian, Superintendent.* At the Michigan State Home for the Feeble Minded at Lapeer; *Dr. Haynes, Superintendent. 9 hours.*

SUBDEPARTMENT OF DERMATOLOGY AND SYPHILOLOGY.

ANDREW P. BIDDLE, M. D., HEAD.....*Professor*
HENRY R. VARNEY, M. D. .....*Associate Professor*
ROLLIN H. STEVENS, M. D. .....*Associate Clinical Professor*
ROBERT C. JAMIESON, M. D. .....*Instructor*
ROBERT A. C. WOLLENBERG, M. D. .....*Instructor*
REU S. TAYLOR, M. D. .....*Clinical Assistant*
LAWRENCE P. BREITENBACH, M. D. .....*Clinical Assistant*

COURSES.

FOURTH YEAR.

2. LECTURES AND RECITATIONS.

One hour a week throughout the year. 32 hours. First semester, *Professor Biddle;* second semester, *Associate Professor Varney.*

This course includes the study of the principal diseases of the skin, including syphilis, illustrated with abundant clinical material.

3. CLINICAL DERMATOLOGY.

Clinics are held in the amphitheaters of St. Mary's, Harper and Grace Hospitals, under *Professors Biddle, Varney* and *Stevens.* Daily clinics are held in one or other of the Out-Patient Departments of St. Mary's and Harper Hospitals. The student is taught to observe the type of lesion present in the various forms of diseases of the skin and syphilis, to make accurate case reports and to familiarize himself thoroughly with the class of cases most frequently seen in general practice.

SUBDEPARTMENT OF JURISPRUDENCE, ETHICS AND ECONOMICS.

JOHN E. CLARK, M. D., F. C. S., HEAD.....*Professor*
DAVID INGLIS, M. D.....*Professor Emeritus*
WILLIAM J. STAPLETON, JR., PH. G., LL.B., M. D.....*Assistant Professor*
FRANK B. TIBBALS, A. B., M. D., F. A. C. S.....*Assistant Professor*
JAMES HERBERT DEMPSTER, A. B., M. D.....*Instructor*

COURSES.

1. MEDICAL JURISPRUDENCE.

Once a week throughout the fourth year, 32 hours.

Professors Clark, Stapleton and Tibbals.

A lecture and recitation course on Medico-Legal questions concerning Death, Malpractice, Crimes, Abortion, Toxicology and Medico-Legal relations of Venereal and Genito-urinary diseases, Courts, Witnesses, etc.

2. ETHICS, ECONOMICS AND HISTORY OF MEDICINE.

Once a week, first semester. 16 hours.

Professor Carstens and *Dr. Dempster.*

SUBDEPARTMENT OF ROENTGENOLOGY.

PRESTON M. HICKEY, A. M., M. D., HEAD.....*Professor*
GEORGE C. CHENE, M. D. .....*Assistant Clinical Professor*
ROLLIN H. STEVENS, M. D. .....*Assistant Clinical Professor*

The instruction in Roentgenology is distributed through the four years' medical course. The general plan is to acquaint the student with the development of the bony skeleton, the Roentgen appearance of the normal osseous system, the Roentgen findings in surgical pathology and the uses of the Roentgen Ray in internal medicine.

COURSES.

FIRST YEAR.

1. LECTURES AND RECITATIONS.

Six lectures and recitations will be given the first year students in connection with the course in embryology.

THIRD YEAR.

2. LECTURES AND DEMONSTRATIONS.

Twelve lectures and demonstrations will be given to third year classes on Roentgen findings in surgical pathology in connection with their clinics in surgery.

FOURTH YEAR.

3. LECTURES AND CLINICS.

Six lectures and clinics will be given on the use of the Roentgen Ray in connection with the clinics in internal medicine.

DEPARTMENT OF SURGERY.

THEODORE A. MCGRAW, M. D., LL. D., F. A. C. S.....*Emeritus Professor*
*JAMES B. BOOK, M. D., L. C. P. C.....*Emeritus Professor*
ERNEST T. TAPPEY, A. M., M. D. .....*Emeritus Professor*

*Deceased.

PROFESSOR ANGUS McLEAN, M. D., F. A. C. S.....
..... *Head of the Department*
FRANK B. WALKER, PH. B., M. D., F. A. C. S.....*Professor*
JOHNSTON B. KENNEDY, M. D. .....*Clinical Professor*
MAX BALLIN, M. D., F. A. C. S.....*Clinical Professor*
ROLLAND PARMENTER, M. D., F. A. C. S.....*Associate Clinical Professor*
WILLIAM A. SPITZLEY, M. D. .....*Associate Clinical Professor*
CHARLES H. OAKMAN, D. D. S., M. D., F. A. C. S., ...
.....*Associate Clinical Professor*
GEORGE E. POTTER, M. D. .....*Associate Clinical Professor*
CLARK D. BROOKS, M. D., F. A. C. S.....*Associate Clinical Professor*
WILLIAM G. HUTCHINSON, M. D. .....*Associate Clinical Professor*
J. WALTER VAUGHAN, A. B., M. D.....*Assistant Clinical Professor*
WILLIARD H. HUTCHINGS, A. B., M. D.....*Assistant Clinical Professor*
ALEXANDER W. BLAIN, M. D. .....*Assistant Clinical Professor*
ARCHIBALD D. MCALPINE, M. D. .....*Assistant Clinical Professor*
GLENN W. STOCKWELL, M. D. .....*Assistant Clinical Professor*
RAY C. ANDRIES, M. D. .....*Assistant Clinical Professor*
CHARLES H. MCLEAN, M. D. .....*Instructor*
JAMES D. MATTHEWS, M. D., F. A. C. S.....*Instructor*
CHARLES S. KENNEDY, B. S., M. D. .....*Clinical Assistant*
FRED N. BLANCHARD, M. D. .....*Clinical Assistant*
GEORGE H. PALMERLEE, M. D. .....*Clinical Assistant*
THOMAS C. STARRS, M. D. .....*Clinical Assistant*
ALEXANDER M. STIRLING, M. D. .....*Clinical Assistant*

The courses in Surgery take on all the forms of instruction. They begin in the second year. Section clinics are arranged for both third and fourth classes in St. Mary's and Harper Hospitals, St. Mary's Hospital Free Dispensary and Harper Hospital Out-Patient Department. Operative amphitheatre clinics are held at St. Mary's Harper, Grace, and Children's Hospitals before the senior class only, and a wide range of acute, emergency and chronic surgical cases are demonstrated.

COURSES.

SECOND YEAR.

1. MINOR SURGERY; *Assistant Professor Blain.*

A demonstration and recitation course on the simpler procedures commonly used in surgical practice. Once a week, second semester.

THIRD YEAR.

2. PRINCIPLES OF SURGERY; *Associate Professors Parmeter and Vaughan.*

Lectures, recitations and demonstrations.

The subjects of instruction include surgical bacteriology, asepsis, wounds and their repair, surgical infections, thrombosis and embolism, tumors.

Once a week, throughout the year.

3. FRACTURES AND DISLOCATIONS; *Associate Professors Brooks* and *Potter.*

A recitation course in which a careful study is made of fractures and dislocations with special reference to diagnosis.

Once a week, second semester.

4. OPERATIVE SURGERY; *Associate Professor Seymour.*

Lectures and recitations.

This course covers didactically the whole field of surgical technic including general anesthesia.

Once a week throughout the year.

5. SURGICAL PATHOLOGY; *Professors Morse and Vaughan.*

A Laboratory course in which the pathology of surgical diseases is demonstrated.

20 hours.

6. SECTION CLINICS; *Professor Andries, McAlpine, Blain, Stockwell* and *Doctors Blanchard* and *Starrs.*

An Out-Patient Department course in case examination, history taking, diagnosis, bandaging, wound dressing and minor operations. Each Junior student is required to complete 16 surgical case records.

Throughout the year at St. Mary's Hospital Free Dispensary and Harper Hospital Out-Patient Department.

7. OPERATIVE SURGERY; *Associate Professor Seymour* and *Doctors McLean* and *Matthews.*

A Laboratory course in operative surgery on the cadavers and on animals in which each student is drilled in anesthesia, asepsis and surgical technic.

Two hours, twice a week, second semester.

FOURTH YEAR.

8. GENERAL AND REGIONAL SURGERY; *Professors McLean, Walker, Potter* and *Davis.*

Lectures and recitations. A systematic course of instruction in general and regional surgery.

Three times a week during the first semester, twice a week, second semester.

9. SURGICAL CLINICS; *Professors McLean, Walker, Kennedy, Ballin, Seymour, Andries* and *Hutchinson.*

At St. Mary's, Harper, Grace and the Children's Hospitals.

A practical study of surgical cases by the clinician before half of the senior class in which diagnosis and pathology are elucidated, and treatment discussed and demonstrated. Those cases are followed to termination by sections of the class.

Three hours a week, throughout the year.

10. SECTION CLINICS; *Professors Walker, Oakman, Potter, Parmeter, Spitzley, Brooks, Seymour, Andries, Hutchinson, Vaughan and McAlpine.*

A course in which both ambulant and ward cases are studied by senior students individually, and their etiology, symptomatology, pathology, diagnosis, prognosis and treatment are discussed with the clinician. Each senior student is required to complete 6 surgical case records each semi-semester. In this course students will assist in the treatment of the cases. Each student devotes six hours a week for a semi-semester to this work at St. Mary's and Harper Hospitals and Dispensaries on the alternate days.

SUBDEPARTMENT OF ORTHOPEDIC SURGERY.

DANIEL LAFERTE, M. D., F. A. C. S., OFFICIER DE L'ACADEMIE FRANCAISE, HEAD ..... *Professor*
ALFRED D. LAFERTE, M. D. ..... *Assistant Professor*
WILLIAM E. BLODGETT, A. B., M. D. ..... *Assistant Clinical Professor*

COURSES.

1. LECTURES AND RECITATIONS: *Professor LaFerte.*

One lecture a week during the first semester, fourth year.

2. CLINICS; *Professor LaFerte* and *Assistant Professors LaFerte* and *Blodgett.*

One ampitheater clinic a week throughout the fourth year, to half the class alternately, at the Children's Free Hospital.

3. SECTION WORK IN THE DIFFERENT HOSPITALS.

The work will be so conducted as to give an outline of the essential facts in regard to deformities and crippling affections, for daily use in general practice.

When it is considered that the large number of congenital postural, traumatic, paralytic, rachitic, tuberculous, infectious and other deforming affections in children and adults are classed under the head of Orthopedic Surgery, it will be realized why that department will strive to conduct the teaching in such a practical manner that when

students go out as general practitioners, they shall be able to detect those crippling affections in their incipiency when the application of comparatively simple methods of treatment may save many from deformity and death.

It will be the aim of this department to inculcate in the student's mind the desirability of simplifying as much as possible all mechanical appliances, in a word, to make patients dependent upon their bones and muscles instead of upon steel braces.

If the surgical task is thoroughly solved, orthopedic appliances if necessary may be of very simple construction, so that special instrument makers may be considered superfluous. If these themes are carried out it will be possible to indulge in orthopedic surgery at every surgical station, and its benefits can be extended to the poorest children who may stand in need of its progress and improvements.

SUBDEPARTMENT OF UROLOGY.

FREDERICK W. ROBBINS, A. M., M. D., F. A. C. S, HEAD.....*Professor*
WILLIAM C. MARTIN, M. D. .....*Associate Professor*
WILLIAM E. KEANE, A. M., M. D. .....*Associate Professor*
JOHN C. DODDS, M. D. .....*Assistant Clinical Professor*
FRED H. COLE, M. D. .....*Assistant Clinical Professor*
THEODORE H. SMITH, M. D. .....*Clinical Assistant*

The main work of this department is done in recitation room and section clinics.

COURSES.

THIRD YEAR.

1. RECITATION COURSE; *Associate Professor Martin.*

In this course are considered the principles of Urology and in particular the diseases of the urethra and external genitals.

FOURTH YEAR.

2. LECTURES AND RECITATIONS; *Professor Robbins.*

This course consists of a study of the surgical diseases of the prostate gland, bladder, ureter and kidneys, and maladies involving the genital function.

Once a week, first semester.

3. UROLOGICAL CLINICS; *Professor Robbins.*

During the year there are held from eight to twelve clinics before the entire senior class, at which many urological conditions are discussed and operated on.

4. SENIOR CLINICS; *Professors Robbins, Martin, Keane* and *Doctors Dodds* and *Cole.*

In small sections the senior students individually examine, diagnose, and with the clinicians discuss assigned cases.

At St. Mary's Hospital (Out-Patient Department) from the wealth of material the clinicians have opportunity to select cases and drill the sections particularly in the diagnosis and treatment of simple and complicated urethral disease.

At Harper Hospital the sections are trained to observe, describe, diagnose and treat especially the deformities and diseases of the external genitals.

Four times a week for four weeks.

SUBDEPARTMENT OF OPHTHALMOLOGY.

DON M. CAMPBELL, M. D., L. R. C. S. (Edin.), F. A. C. S., HEAD...*Professor*
EUGENE SMITH, M. D., F. A. C. S. .....*Clinical Professor*
ROBERT W. GILLMAN, M. D., F. A. C. S. .....*Clinical Professor*
GEORGE E. FROTHINGHAM, M. D., F. A. C. S. .....*Clinical Professor*
HAROLD WILSON, B. S., M. D., F. A. C. S.....*Associate Clinical Professor*
RAY CONNOR, A. B., M. D. .....*Associate Clinical Professor*
HERMON H. SANDERSON, M. D. .....*Assistant Clinical Professor*
C. BRADFORD LUNDY, M. D. .....*Instructor*
*GEORGE SUTTIE, PH. C., M. D. .....*Clinical Assistant*
H. L. BEGLE, M. D. .....*Clinical Assistant*
ROBERT BEATTIE, M. D. .....*Clinical Assistant*
EUGENE SMITH, JR., M. D. .....*Clinical Assistant*
J. HERBERT DEMPSTER, A. B., M. D. .....*Clinical Assistant*

*Deceased.

The work in the department of Ophthalmology is given in the third and fourth year of the medical course and is covered by Didactic Lectures, Recitations and by Section Clinics and Conferences.

COURSES.

THIRD YEAR.

1. RECITATIONS AND DEMONSTRATIONS; *Drs. Lundy and Begle.*

In this course, 24 hours are devoted to the Anatomy and Physiology of the eye—Methods of Examination—History Taking and Case Records.

FOURTH YEAR.

2. RECITATIONS; *Professor Campbell.*

The instruction in this course comprises one hour each week during the entire college year, and takes the student through a gradually graded course covering all the diseases of the anterior segment of the eye-ball and the commoner fundus and intra-ocular changes.

Particular attention is paid to diagnosis and the important relationship between ocular and general pathology.

A practical viewpoint is given the student of physiologic optics, the errors of refraction, muscular anomalies and the most modern means of detection and correction by properly adjusted glasses and other means.

3. CLINICS; *Professors Campbell, Smith, Gillman, Frothingham, Sanderson* and *Drs. Suttie, Begle, Beattie* and *Dempster.*

In this course the clinical aspect of the subject is thoroughly presented in the large outdoor clinics and abundant bedside instruction in Harper, St. Mary's, Grace and the Children's Hospitals.

For this purpose the class is divided into sections of six or seven students, and each one receives personal attention. Each student has cases to actually diagnose and refract, and frequent clinical conferences are held.

4. ELECTIVE COURSE; *Professor Campbell.*

An elective 5th year course will be given covering advanced diagnostic methods, refractive and muscular anomalies, bacteriology and pathology of the eye and operative ophthalmology.

Particular attention will be paid to instruction of students and practitioners in the errors of refraction and their correction by accurate glass fitting.

SUBDEPARTMENT OF RHINOLOGY, LARYNGOLOGY AND OTOLOGY.

BURT R. SHURLY, B. S., M. D., F. A. C. S., HEAD.....*Professor*
DON M. CAMPBELL, M. D., L. R. C. S., F. A. C. S.....*Professor*
STANLEY G. MINER, M. D. .....*Professor*
RICHARD E. MERCER, M. D., F. A. C. S.....*Associate Professor*
EUGENE SMITH, M. D., F. A. C. S.....*Clinical Professor*
ROBERT W. GILLMAN, M. D., F. A. C. S.....*Clinical Professor*
GEORGE E. FROTHINGHAM, M. D., F. A. C. S. .....*Clinical Professor*
HAROLD WILSON, B. S., M. D., F. A. C. S.....*Associate Clinical Professor*
WADSWORTH WARREN, A. M., M. D. .....*Associate Clinical Professor*
DUNCAN A. CAMPBELL, M. D. .....*Assistant Professor*
EMIL AMBERG, M. D., F. A. C. S. .....*Assistant Clinical Professor*
GUY H. MCFALL, M. D.....*Assistant Clinical Professor*
HOWARD W. PIERCE, M. D. .....*Clinical Assistant*
JAMES E. CASEY, M. D. .....*Clinical Assistant*
ROBERT G. SHAW, M. D., ... *Clinical Assistant*
WILLIAM A. DEFNET, M. D. .....*Clinical Assistant*
H. LEE SIMPSON, M. D. .....*Clinical Assistant*

REQUIRED COURSES.

THIRD YEAR.

1. ELEMENTARY OTO-LARYNGOLOGY.

Instruction in oto-laryngology begins in the first semester of the third year, with a course in elementary anatomy and physiology followed by methods and procedure of examination including the diagnosis and treatment of common acute disease. *Associate Professor Mercer.*

One hour a week throughout the year. 32 hours.

2. OUT-PATIENT CLINICAL WORK.

This course includes section clinics at Harper Hospital, and St. Mary's Hospital.

FOURTH YEAR.

3. RECITATION COURSE IN OTO-LARYNGOLOGY.

One hour a week in oto-laryngology, throughout the year. 32 hours. *Professors Shurly* and *Campbell.* This is advanced work covering symptomatology, diagnosis and therapeutics of the diseases of the ear, nose, throat, and larynx. The work is so arranged as to harmonize with and supplement the hospital special and ampitheater clinics. Patients are presented whenever necessary to illustrate points of diagnosis covered in the recitation course.

4. CLINICAL OTO-LARYNGOLOGY.

This course includes amphitheater clinics, clinical conferences and sectional clinics, at Harper Hospital, St. Mary's Hospital, Children's Free Hospital, Grace Hospital and the Herman Kiefer Hospital.

A special effort is made to present for examination, diagnosis and treatment, a large amount of material illustrating the common diseases of the nose, throat, larynx and ear. The student is required to carry out the various laboratory examinations that are aids to diagnosis. Particular attention is given to a study of the inter-relation between local and systemic disease. This course is taught particularly with a view to fulfill all the requirements of special knowledge that should be applied by the thoroughly qualified general practitioner.

In sectional clinic work, the students are assigned patients to make a complete examination, written history, pathologic, bacteriologic and blood examinations. Students are required to make a written report to the professor in charge. At all times students and patients are under his direct supervision. Written reports are examined by instructors, passed upon and filed with the Secretary of the Faculty as a permanent record of the student's work.

Sectional clinics, at Harper Hospital, St. Mary's Hospital, Grace Hospital and Herman Kiefer Hospital and Schloss Memorial Dispen-

sary. At Harper Hospital, Tuesday and Saturday, 12 to 1 P. M. Section clinics in Out-patient Department. Surgical clinic in amphitheater every third Saturday in each month, also operating clinic, Tuesday and Thursday. *Professors Shurly, Campbell* and *Amberg.*

St. Mary's Hospital, six amphitheater clinics on surgery of nose, throat and chest and section clinics on Monday, Wednesday and Friday from 12 to 1 P. M. *Professor Miner, Drs. Casey* and *Shaw.*

Section clinics, Grace Hospital, every other week, Thursday, 9 to 10 A. M. *Associate Professor Wilson.* Selected cases from the large clinical material of Grace Hospital and Dispensary will be demonstrated and treated before the section.

Children's Free Hospital, section clinics, Thursday, 12 to 1 P. M. Occasional operative clinics will be held before the section with demonstrations of various methods of examination. A splendid opportunity is given to study the various nose and throat diseases peculiar to children. *Professor Shurly* and *Assistant Professor McFall.*

Herman Kiefer Hospital, every other Thursday, 9 to 12 A. M. *Assistant Clinical Profssor McFall.* The students have the opportunity to observe and study all the nose, throat and laryngeal complications that develop in the contagious diseases of a large city. Throat and laryngeal manifestations in tuberculosis, scarlet fever, measles, diphtheria, and other prevailing communicable diseases can be studied in detail. These opportunities are unsurpassed in a majority of the medical schools in our country.

ELECTIVE COURSES.

5. OPTIONAL EAR, NOSE AND THROAT COURSE ON THE CADAVER.

An optional course for fifth year students or practitioners and limited to six will be offered at some time during the year, according to previous arrangement. This will include the various operations on the accessory sinuses, laryngotomy, intubation, tracheotomy, simple and radical mastoid.

6. OPERATING COURSE.

A course limited to four students or practitioners will be offered to those who elect work in the fifth year. Opportunities will be given to assist at the various common operations performed in the dispensary and hospital. This advanced course will be given to those who complete all the previous work. The operative course on the cadaver will be considered a prerequisite for some of the operative work offered.

7. INTUBATION AND TRACHEOTOMY.

A course in intubation will provide individual practice in the use of O'Dwyer's tubes on the phantom, dog and cadaver, under the direct supervision of the instructor. Operative technique will be demonstrated, showing instruments and tubes, positions of the patient, accidents, retained tubes, methods of feeding and the extraction of the tube. Lectures on the diagnosis and treatment of laryngeal diphtheria with instruction in serum therapy will be given.

8. BRONCHOSCOPY, OESOPHAGOSCOPY AND LARYNGOSCOPY.

Elective courses will be given in Bronschoscopy, Esophagoscopy and direct Laryngoscopy for advanced students and practitioners.

SUBDEPARTMENT OF PROCTOLOGY.

LOUIS J. HIRSCHMAN, M. D., F. A. C. S., HEAD.....*Professor*
JAMES A. MACMILLAN, A. M., M. D.....*Associate Clinical Professor*
EDWARD G. MARTIN, M. D. .....*Instructor*
FRANK B. ALLISON, M. D. .....*Clinical Assistant*
WORTH ROSS, M. D. .....*Clinical Assistant*

COURSES.

Instruction in Proctology will consist of lectures or recitations and clinics to the Senior Class.

1. LECTURES AND RECITATIONS; *Professor Hirschman.*

Once a week, second semester.

This course will be a study of the following topics:

Special anatomy and physiology of Anus, Rectum and Colon, Methods of Diagnosis, Constipation, Obstipation and Fecal Impaction, Pruritus Ani, Anal and Rectal Ulceration and Anal Fissure, Anal, Peri-rectal and Pelvi-rectal Abscess, Anal and Rectal Fistulae, Hemorrhoids, Proctitis and Colitis, Dysentery and Diarrhea, Prolapse of Rectum and Ptosis of Colon, Stricture and Benign Growths of Rectum and Colon, Syphilis and Cancer of Rectum and Colon, Colostomy, Cecostomy and Appendicostomy, Parasites of Bowel and Examination of Feces.

2. CLINICS; *Professors Hirschman and MacMillan and Drs. Martin, Allison and Ross.*

All Clinics at Harper Hospital.

Section clinics are given at Harper Hospital twice a week throughout the year, giving individual demonstrations in examination of patients and demonstrating technic of minor proctologic surgery.

3. GRADUATE COURSE; *Professor Hirschman.*

Several elective courses in Proctology are given for graduates in medicine during the college year.

These include practical demonstrations of the use of the anoscope, proctoscope and sigmoidoscope, as well as operative technic for the various operations on the anus and rectum under local and general anesthesia.

Each class is limited to four members and the course occupies four weeks.

SUBDEPARTMENT OF EXPERIMENTAL SURGERY.

FRANK B. WALKER, PH. B., M. D., F. A. C. S., HEAD.....*Professor*
ANGUS MCLEAN, M. D., F. A. C. S.....*Professor*
WILLIAM J. SEYMOUR, M. D. .....*Assistant Professor*
JAMES E. DAVIS, A. B., M. D. .....*Assistant Professor*
ALEXANDER W. BLAIN, M. D., F. A. C. S.....*Assistant Professor*
RAYMOND C. ANDRIES, M. D., F. A. C. S. .....*Assistant Professor*
JAMES D. MATTHEWS, M. D., F. A. C. S. .....*Instructor*
AUDREY O. BROWN, M. D. .....*Instructor*

The courses in this department will consist of studies of approved surgical problems and researches in experimental surgery, involving to some extent collateral branches. Only those who are qualified may elect these courses.

COURSES.

1. SURGICAL PROBLEMS.

A laboratory study of surgical problems along operative, physiological, bacteriological or chemical lines. Open to undergraduate students who have completed the required laboratory course in Operative Surgery. Hours to be arranged with the Department.

2. RESEARCHES IN SURGERY.

Experimental studies in operative methods and advanced researches in surgical problems. For advanced students and graduates. Hours to be arranged with the Department.

DEPARTMENT OF OBSTETRICS.

PROFESSOR W. P. MANTON, M. D., F. A. C. S.....
.....*Head of the Department*
*NATHAN JENKS, B. S., M. D., F. A. C. S., HEAD.....*Associate Professor*
JOHN N. BELL, M. D., F. A. C. S. .....*Associate Professor*
C. HOLLISTER JUDD, M. D. .....*Assistant Professor*
WILLIAM H. MORLEY, PH. B., M. D. .....*Instructor*
WALTER J. WELZ, M. D., ...*Instructor*
WALTER W. MANTON, M. D.....*Instructor*
PHILLIP E. MOODY, M. D. .....*Clinical Assistant*
JOHN H. PENIX, M. D. .....*Clinical Assistant*
GILBERT J. ANDERSON, M. D. .....*Clinical Assistant*
A. L. RICHARDSON, ...*Clinical Assistant*
ARTHUR R. MOON, M. D. .....*Clinical Assistant*

*Deceased.

COURSES.

THIRD YEAR.

1. PRINCIPLES OF OBSTETRICS.

Junior students will be instructed in the general principles of obstetrics by recitations, lectures and manikin exercises. Pelvimetry, the diagnosis and management of pregnancy, the diagnosis of presentations and positions, the disorders of pregnancy, the management of normal labor and normal and morbid puerpery, together with the care of the new-born infant will be considered.

160 hours; 5 hours weekly, throughout the year.

Professors Jenks, Judd and Bell.

FOURTH YEAR.

2. OPERATIVE OBSTETRICS.

Senior students will be taught the various operations of midwifery, their indications and technic with demonstrations on the Schultz manikin.

15 hours; 2 hours weekly, part of first semester.

Professor Manton.

3. MANIKIN WORK.

As part of the above course, twice weekly, the class, in sections, is given the opportunity of repeatedly performing the ordinary operations of midwifery; technique and indications for and against surgical intervention being particularly emphasized. The student is thus enabled to acquire a familiarity and handiness in the use of instruments and in manual manipulations.

30 hours; second semester.

Drs. Morley, Welz and Walter Manton

4. PRENATAL CLINICS.

Are held five days in the week throughout the year, at the Board of Health Building, Neighborhood House, Harper Hospital and the Schloss Memorial. At these clinics students of the third and fourth years are taught in small sections individually the various physiological and pathological conditions arising during pregnancy, abdominal palpation, auscultation of the fetal heart pelvimetry, and the general and special care of pregnant women—with particular reference to the prevention of fetal mortality through the well-being of the mother. The large material available at these clinics make this part of the course in obstetrics of exceptional value.

Unusual advantages are offered the student in clinical midwifery at the Woman's, Harper and Providence Hospitals and the Free Maternity Service and Prenatal Clinics of the Detroit Board of Health and Schloss Memorial, where it is expected that upward of one thousand cases will be available annually.

Students of the fourth year are required to attend, under supervision, and make full reports on ten cases of confinement.

DEPARTMENT OF GYNECOLOGY.

PROFESSOR J. HENRY CARSTENS, M. D., F. A. C. S..... *Head of the Department*
WALTER P. MANTON, M. D., F. A. C. S..... *Clinical Professor*
HOWARD W. LONGYEAR, M. D., F. A. C. S. ..... *Clinical Professor*
BENJAMIN R. SCHENCK, A. B., M. D., F. A. C. S..... *Associate Professor*
H. WELLINGTON YATES, M. D. ..... *Assistant Professor*
ERNEST K. CULLEN, M. D..... *Assistant Professor*
WILLIAM C. LAWRENCE, M. D. ..... *Clinical Assistant*
WALTER W. MANTON, M. D., ... *Clinical Assistant*
LORENZO L. ZIMMER, M. D. ..... *Clinical Assistant*
HOWARD R. COLL, M. D. ..... *Clinical Assistant*
ROBERT M. MARTIN ..... *Clinical Assistant*

COURSES.

1. THE PRINCIPLES OF GYNECOLOGY.

History, scope and nomenclature.

Anatomy and Physiology of the female generative organs.

Prevalence and general causes of gynecologic affections.

Clinical History. Methods of obtaining and preserving records. Significance of the various factors in the history.

Physical Examination. Methods of making abdominal, vaginal, rectal and cystoscopic examinations.

Pathology of the female organs, including microscopic diagnosis.

A general consideration of the following groups of cases:

(a) Malformations and displacements. Pessaries.
(b) Infections. Bacteriology. Non-surgical treatment.
(c) Affections resulting from partruition.
(d) New growths of the generative organs.
(e) Affections of the bladder and urethra.

A drill in the significance of symptoms and in differential diagnosis by means of case histories.

This course is intended to drill the student in symptomatology, pathology and diagnosis and thus prepare him for the special topics which follow.

Twenty-eight recitations and conferences. Four written quizzes.

Associate Professor Schenck.

2. SURGICAL GYNECOLOGY.

Injuries of the external genital organs; hæmatocœle, rupture, rape.

Repair of injuries of the pelvic floor.

Repair of injuries to the uterus.

The vulvo-vaginal glands.

Fistulae of the parturient canal.
Neoplasms of external genital organs.
Skin infections of the external genital organs.
Fifteen recitations and one written examination.

Assistant Professor Yates.

3. ABDOMINAL AND PELVIC SURGERY.

Diagnosis of abdominal diseases.
Technic of abdominal surgery.
Peritonitis. Sterility.
Surgery of the vermiform appendix.
Surgery of the uterus, tubes and ovaries.
Nervous condition in relation to Gynecology.
Fifteen recitations and one written examination.

Doctor Carstens.

4. CLINICAL GYNECOLOGY.

Clinic in operating rooms, twice a week throughout the year.
Daily section work in dispensary for four weeks.
Daily bedside work in sections for four weeks.
By the different members of the department.
Lecture and recitation, 64 hours.
Operating room, dispensary and bedside teaching, 64 hours.

5. GYNECOLOGICAL PATHOLOGY.

A laboratory course of 20 hours in which the special pathology of gynecologic diseases is studied and demonstrated.

Assistant Professor Cullen.

DEPARTMENT OF PREVENTIVE MEDICINE AND PUBLIC HEALTH.

PROFESSOR GUY L. KIEFER, A. M., M. D., D. P. H... ..... *Head of the Department*
PLINN F. MORSE, A. M., M. D. .....*Professor*
VICTOR C. VAUGHAN, JR., A. B., M. D. .....*Associate Professor*
WILLIAM H. PRICE, M. D., ...*Associate Professor*
GUY H. MCFALL, M. D. .....*Assistant Clinical Professor*
GEORGE SEWELL, M. D. .....*Assistant Clinical Professor*
R. W. PRYER, M. D. .....*Instructor*
HENRY F. VAUGHAN, B. S. .....*Instructor*
JAMES M. ROBB, M. D. .....*Clinical Assistant*
WORTH ROSS, M. D. .....*Clinical Assistant*

REQUIRED COURSES.

SECOND YEAR.

60 hours.

1. HYGIENE.

Two hours per week, second semester;; lectures and recitations on general hygiene at College Building. 32 hours. *Assistant Professor Sewell.*

2. PUBLIC HEALTH.

Once a week, the whole year. Class divided into eight sections, each section to have four demonstrations of two hours each in the laboratory of the Detroit Board of Health, at Board of Health Laboratory. 8 hours. *Dr. Pryer.*

3. PUBLIC HEALTH.

One hour a week, second semester. A course of special lectures on administrative public health work, at College Building. 16 hours. *Professor Kiefer.*

4. PRACTICAL PREVENTIVE MEDICINE.

Demonstration in the use of vaccines and bacterins for immunization; use of antitoxin, practical demonstrations in the prevention of acute contagious diseases and tuberculosis, vaccination and disinfection. Demonstrations once a week, second semester, at Board of Health Building. 4 hours. *Assistant Professor Sewell.*

FOURTH YEAR.

96 Hours.

5. INFECTIOUS DISEASES AND PEDIATRICS.

Three hours per week, whole year. A course of lectures, recitations and bedside instruction in tuberculosis, scarlatina, diphtheria, measles, variola, etc., at Herman Kiefer Hospital. 50 hours, Pediatrics. 46 hours, Medicine. *Professors Kiefer, Vaughan* and *Assistants.*

Fifth Year Course in Preventive Medicine and Public Health

This is a Post-Graduate Course for graduates in medicine which will fit them to be Health Officers. The course leads to the degree of Master in Public Health. It is a complete course for one college year, during which time physicians are

given practical and scientific instruction in all of the phases of public health work. The courses are conducted at the Board of Health building, at the Herman Kiefer Hospital and at the College Building. All practical instruction in field work is done under the supervision of competent, practical men, the classes being divided into small sections in order to insure personal attention for each student.

DESCRIPTION OF THE COURSES.

CLINICAL WORK.

Under this head will be included 12 weeks' residence at the Herman Kiefer Hospital. Instruction will be given in the differential diagnosis, care and treatment of contagious diseases. Prophylactic measures and antitoxin treatment will be followed in detail. A practical course in intubation is part of the schedule. Six weeks' attendance at the Tuberculosis Pavilion is included. Personal instruction is given in the diagnosis and biologic tests.

LABORATORY WORK.

This will consist of 6 weeks' work in the laboratories of the Detroit Board of Health, and DETROIT COLLEGE OF MEDICINE AND SURGERY.

1. MILK ANALYSIS.

The student will be taught how to make a chemical and bacteriological analysis of milk; special attention will be paid to the bacteria count and the sediment test.

2. WATER ANALYSIS.

Instruction will be given in this subject and the Michigan method of water analysis will be taught; this includes a complete chemical analysis, bacteriological examination and animal inoculations.

3. ALCOHOL.

Determinations of percentage of alcohol contained in various liquids for determination of violation of the Pure Food and Drug Act.

4. FOOD.

A practical course in the determination of adulteration of food.

5-3. BACTERIOLOGY.

A practical laboratory course in Board of Health work, consisting of microscopic examinations for tuberculosis, diphtheria, gonorrhea, Wassermann test for syphilis, etc.

5-b. BACTERIOLOGY.

A course in advanced bacteriology. In this course will be taken up all advanced bacteriological technic. Each student will do all the bacteriological operations on one pathogenic organism. Methods of glass blowing and apparatus construction will be taken up. Thermal death points, methods of infection, immunitive production, including determining of agglutinins, precipitins and complement fixing bodies in the sera of treated animals, toxin and antitoxin standardization are all actually determined by each student.

The second half of the course is given over to lantern slides and material demonstration of tropical diseases, especially the trypanosomiases and the spirilloses accompanied by journal work on the part of the students.

SANITARY ENGINEERING.

1. MUNICIPAL SANITATION.

A course in Municipal Problems: A study of housing conditions; house drainage; abatement of nuisances; plumbing practices and codes; street cleaning; refuse collection and disposal; interpretation of charts; maps, data, etc.; court action and administration of a sanitary department.

Students will be given an opportunity to do the actual work under the supervision of an instructor, and will formulate their own reports.

2. WATER SUPPLY.

A brief discussion of the source, quality and methods of purification, with practical field demonstration.

3. SEWAGE DISPOSAL.

Methods of collection, means of disposal, methods of purification, disposal of trade wastes, field work.

4. VENTILATION.

Application of scientific principles to the heating and ventilating of schools, churches, theaters, street cars, etc.

FIELD WORK.

This consists of visits with the Inspectors of the various departments of the Detroit Board of Health. Students are given an opportunity to do the actual work under the supervision of the Inspector. Reports are made out by the student and referred to the Professor in charge, with whom they are discussed.

The following activities will be shown the student and he will be given actual experience in each:

1. School Inspection.
2. Milk Inspection.
3. Meat Inspection.
4. Fumigation and Disinfection.
5. Vaccinations.
6. A study of Vital Statistics of the Board of Health.
7. Attendance at the various clinics at the Board of Health Building, including the clinic for the Prevention of Infant Mortality and the Prenatal clinics.

TIME SCHEDULE, FIRST YEAR, FIRST SEMESTER, 1915-1916

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9	Histology and Embryology	Histology and Embryology	Bacteriology	Organic Chemistry Lecture	Histology and Embryology	Organic Chemistry Lecture
9-10		Organic Chemistry	Anatomy Demonstration	Bacteriology Chemistry Lecture	Anatomy Demonstration	
10-12			Anatomy—Laboratory Anatomy Demonstration		Anatomy Demonstration	Anatomy
1-4	Bacteriology—Laboratory, Sept. 22 to Nov. 20, 1915					
2-4	Organic Chemistry—Laboratory, Nov. 22, 1915 to Jan. 15, 1916 Histology or Embryology—Laboratory, after Jan. 20, 1916					
4-5		Osteology Demonstration		Osteology Demonstration		

TIME SCHEDULE, FIRST YEAR, SECOND SEMESTER, 1915-1916

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9	Physiology	Histology or Embryology Until March 25. Physiology After March 25.	Physiology	Histology or Embryology Until March 25. Physiology After March 25.	Physiology	
9-10			Anatomy Demonstration		Anatomy Demonstration	Anatomy
10-12			Anatomy—Laboratory Anatomy Demonstration		Anatomy Demonstration	
2-4	Histology or Embryology—Laboratory					
4-5		Osteology Demonstration		Osteology Demonstration		

TIME SCHEDULE, SECOND YEAR, FIRST SEMESTER, 1915-1916

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9	Pathology					Public Health, Laboratory, In Sections, 4 Weeks
9-10	Physlology					
10-11	Anatomy of Nervous System Demonstration	Materia Medica-Laboratory	Hygiene	Materia Medica-Laboratory	Hygiene	
11-12	Physiological Chemistry		Physiological Chemistry		Physiological Chemistry	
1-4	Physiology—Laboratory, After Nov. 20, 1915					
2-4	Anatomy of Nervous System—Laboratory, Until Nov. 20, 1915					

TIME SCHEDULE, SECOND YEAR, SECOND SEMESTER, 1915-1916

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9	Pathology	Minor Surgery	Pathology	Prescription Writing	Pathology	Public Health—Laboratory, In Sections For 4 Weeks
9-10	Pharmacology	Pharmaco-Dynamics	Pharmacology	Pharmaco-Dynamics	Administrative Public Health	
10-12	Physical Diagnosis In Sections, For 8 Weeks		Physical Diagnosis, In Sections, For 8 Weeks		Physical Diagnosis, In Sections, For 8 Weeks	Preventive Medicine—Laboratory, In Sections, For 2 Weeks
1-4	Pathology—Laboratory, Until Mar. 25, 1916 Physiological Chemistry—Laboratory, After Mar. 25, 1916					

TIME SCHEDULE, THIRD YEAR, FIRST SEMESTER, 1915-1916

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9	Operative Surgery Prof. Seymour	Pediatrics Prof. Rich or Prof. Polozker	Principles of Surgery Prof. Brooks	Pediatrics Prof. Rich or Prof. Polozker	Dietetics Dr. Wagner	Obstetrics Prof. Jenks or Prof. Judd
9-10	Medicine Prof. McKean	Therapeutics Prof. Parker	Medicine Prof. McKean	Clinical Therapeutics Prof. Wilson	Medicine Prof. McKean	**9:30-11** Roentgenology In Sections, 10 Weeks Prof. Hickey
10-11	Section Clinics at Harper and St. Mary's Hospitals— Medicine, Surgery, Pediatrics and Neurology					
11-12						Clinical Physical Diagnosis Dr. Buesser Dr. A. F. Jennings Dr. H. R. Carsten Dr. Stiles
12-1						
2-4	Laboratory Courses— { Clinical Microscopy, 60 Hours; Neuro-Pathology, 20 Hours; Surgical Pathology, 20 Hours; Gynecological Pathology, 20 Hours }					
4-5	Obstetrics Prof. Jenks, until Dec. 14 Prof. Judd, After Dec. 14			Obstetrics Prof. Jenks, until Dec. 14 Prof. Judd, after Dec. 14		

TIME SCHEDULE, THIRD YEAR, SECOND SEMESTER, 1915-1916

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9	Operative Surgery Prof. Seymour	Neurology Prof. Hitchcock	Principles of Surgery Prof. J.W. Vaughan	Urology Prof. Martin	Fractures and Dislocations Prof. Brooks or Prof. Potter	
9-10	Medicine Prof. Freund	Therapeutics Prof. MacCracken or Prof. Parker	Medicine Prof. Freund	Clinical Therapeutics Prof. Wilson	Medicine Prof. Freund	**9:30-11** Roentgenology In Sections, 10 Weeks Prof. Hickey
10-11	Section Clinics at Harper and St. Mary's Hospitals— Medicine, Surgery, Pediatrics, Neurology and Prenatal Clinics					
11-12						Clinical Physical Diagnosis Dr. Buesser Dr. A. F. Jennings Dr. H. R. Carstens Dr. Stiles
12-1						
2-4	Surgery—Laboratory, In Sections, Twice Weekly				Neurology, Ophthalmology, Otolaryngology In Sections, Each 16 Hours	
4-5	Obstetrics Prof. Bell	Non-Medicinal Therapeutics Dr. Eggleston		Obstetrics Prof. Bell		

SECTION CLINICS FOR THIRD YEAR, CLASS 1915-1916

For Clinical work the Third Year Class has been grouped into two divisions, and each division subdivided into eight sections. Division A, composed of Sections I. to VIII., will do work as indicated on the subjoined schedule at the Harper Hospital Polyclinic and Children's Free Hospital during the First Semester, and at St. Mary's Hospital Free Dispensary, the Board of Health (Prenatal) and the Schloss Memorial (Prenatal) during the Second Semester.

Division B will follow the schedule, alternating Hospitals with Division A. All sections will change according to the dates at the top of schedule for the First Semester, and at the bottom of schedule for the Second Semester.

1st Semester	**Division A at Harper Polyclinic and Children's Free Hospital (Pediatrics). Division B at St. Mary's Out-Patient Clinic, Board of Health (Prenatal) and Schloss Memorial (Prenatal).**							
	September 22 to October 29, 1915		November 1 to November 26, 1915		November 29 to December 23, 1916		January 3, 1916 to January 28, 1916	
Medicine	Sections I and II		Sections III and IV		Sections V and VI		Sections VII and VIII	
	Sept 28-Oct 8	Oct. 11-Oct. 29	Nov. 1-Nov. 12	Nov. 15—26	Nov. 29-Dec.10	Dec. 13-Dec. 24	Jan. 3-Jan. 14	Jan. 17-Jan. 28
Paediatrics	Section III	Section IV	Section I	Section II	Section VII	Section VIII	Section V	Section VI
Neurology	Section IV	Section III	Section II	Section I	Section VIII	Section VII	Section VI	Section V
Surgery	Sections V and VI		Sections VII and VIII		Sections I and II		Sections III and IV	
Prenatal Clinics	Section VII	Section VIII	Section V	Section VI	Section III	Section IV	Section I	Section II
Urology	Section VIII	Section VII	Section VI	Section V	Section IV	Section III	Section II	Section I
	Feb. 1-Feb. 11	Feb. 14-Feb. 29	Mar. 1-Mar. 15	Mar. 16—31	Apr. 3-Apr. 14	Apr. 17-Apr. 28	May 1-May 12	May 15—26
	February 1, 1916 to February 29, 1916		March 1, 1916 to March 31, 1916		April 3, 1916 to April 28, 1916		May 1, 1916 to May 26, 1916	
2nd Semester	**Division B at Harper Polyclinic and Children's Free Hospital (Prediatrics). Division A at St. Mary's Out-Patient Clinic, Board of Health (Prenatal) and Schloss Memorial (Prenatal).**							

TIME SCHEDULE, FOURTH YEAR, FIRST SEMESTER, 1915-1916

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9	Surgery Prof. Walker	Medicine Prof. Donald Prof. Jennings	Urology Prof. Robbins	Section Clinics at Grace, Herman Kiefer, and Children's Hospitals—Medicine, Surgery and Specialties	Dermatology Prof. Biddle	8-9:30 Roentgenology In Sections, 8 Weeks Prof. Hickey
9-10	Section Clinics at St. Mary's and Harper Hospitals—Medicine, Surgery and Specialties and Prenatal Clinics					
10-12					Section Clinics at St. Mary's and Harper Hospitals—Medicine, Surgery and Specialties and Prenatal Clinics	
12-1	Clinical Conference Surgery	Clinical Conference Medicine	Clinical Conference Neurology		Clinical Conference Surgery	Clinical Conference Medicine
2-3	Obstetrics Prof. Manton Until Nov. 20 Manikin Work After Nov. 20	Section Clinics At Harper Hospital Ophthalmology Otolarngology	Obstetrics Prof. Manton Until Nov. 20 Manikin Work After Nov. 20	Section Clinics— At Harper Hospital Ophthalmology, Otolaryngology	Pediatrics Prof. Hoobler	
3-4	Gynecology Prof. Schenck Until Jan. 1, Prof. Cullen After Jan. 1	At Harper Hospital Ophthalmology Prof. Campbell	Gynecology Prof. Schenck Until Jan. 1 Prof. Cullen After Jan. 1	At Harper Hospital Rhinolaryngology Prof. Shurley	Medicine Prof. Donald or Prof. Jennings	
4-5	Neurology Prof. Ives	At Harper Hospital Surgery Prof. Potter Prof. Davis		At Harper Hospital Orthopedic Surgery Prof. La Ferte	Manikin Work Dr. Morley Dr. Welz Dr. W. W. Manton	

TIME SCHEDULE, FOURTH YEAR, SECOND SEMESTER, 1915-1916

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9	Surgery Prof. Walker	Medicine Prof. Haas or Prof. Jennings Prof. Aaron	Proctology Prof. Hirschman		Dermatology Prof. Varney	8-9:30 Roentgenology In Sections, 8 Weeks Prof. Hickey
9-10	Section Clinics at St. Mary's and Harper Hospitals—Medicine, Surgery and Specialties and Prenatal Clinics			Section Clinics at Grace, Herman Kiefer, and Children's Hospitals—Medicine Surgery and Specialties		
10-12					Section Clinics at St. Mary's and Harper Hospitals—Medicine, Surgery and Specialties And Prenatal Clinics	
12-1	Clinical Conference Surgery	Clinical Conference Medicine	Clinical Conference Neurology		Clinical Conference Surgery	Clinical Conference Medicine
2-3	Pediatrics Prof. Hoobler	Section Clinics At Harper Hospital Ophthalmology Otolaryngology	Ethics Prof. Inglis History of Medicine Dr. Dempster	Section Clinics At Harper Hospital Ophthalmology Otolaryngology	Psychiatry Prof. Ives	
3-4	Medical Jurisprudence Prof. Clark Dr. Stapelton Dr. Tibbals	At Harper Hospital Ophthalmology Prof. Cambpell	Manikin Work Dr. Morley	At Harper Hospital Rhinolarynology Prof. Shurly	Medicine Prof. Haas Prof. Jennings Prof. Aaron	
4-5	Abdominal and Pelvic Surgery Prof. Carstens Mar. 20 to May 25	At Harper Hospital Surgery Prof. McLean	Abdominal and Pelvic Surgery Prof. Carstens	At Harper Hospital Gynecology Prof. Yates Until Mar. 20 Abdominal and Pelvic Surgery Prof. Carstens Mar. 20 to May 25	Gynecology Prof. Yates Until March 20 Abdominal and Pelvic Surgery Prof. Carstens Mar. 20 to May 25	

SECTION CLINICS FOR FOURTH YEAR CLASS, 1915-1916

For Clinical Work the Fourth Year Class has been grouped in two Divisions and each Division subdivided into four Sections. Division I, composed of Sections A, B, C and D will do Section Work as indicated on the subjoined schedule, at Harper Hospital and Out Patient Department during the First Semester and at St. Mary's Hospital and Free Dispensary during the Second Semester. Division II, composed of Sections E, F, G and H, will do Section Work at St. Mary's Hospital and Free Dispensary during the First Semester and at Harper Hospital and Out Patient Department during the Second Semester. Prenatal Clinics will be held at the places and hours indicated. All Sections will change at the end of each four weeks, that is, Section D will take up the work of Section A and Section A will take up the work of Section B, etc., on October 20th, and corresponding changes will be made November 17, December 18, 1915, January 26, February 26, March 25, and April 26, 1916. Clinical Conferences of the Division with the Clinician will be held as outlined. The Section on duty in each Department shall act as Clinical Assistants in the Amphitheatre for all Clinics held by the Department.

SECTIONS	TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
A	9-12	Medicine			Clinics at The Grace Hospital, From 8 to 1	Medicine	
B	9-12	Surgery				Surgery	
C	9-11	Gynecology	Pediatrics at The Children's Hospital	Gynecology	Clinics at The Children's Hospital From 8 to 1	Gyhecology	Pediatrics at The Children's Hospital
	11-12	Dermatology				Dermatology	
D	9-11	Proctology	Urology	Proctology		Neurology	Urology
	11-12	Orthopedics	Prenatal at Harper Hospital	Orthopedics		Orthopedics	Prenatal at Harper Hospital
All	12-1	Surgery	Medicine	Neurology and Pediatrics		Surgery	Medicine
E	9-12	Medicine			Clinics at The Herman Kiefer Hospital From 8 to 1	Medicine	
F	9-12	Surgery				Surgery	
G	9-11	Gynecology	Pediatrics	Urology	Clinics at The Herman Kiefer Hospital From 8 to 1	Gynecology	Pediatrics
	11-12	Urology	Ophthalmology	Gynecology		Urology	Ophthalmology
H	9-11	Neurology	Prenatal at Board of Health	Neurology		Prenatal at Board of Health	Neurology
	11-12	Dermatology	Otolaryngology	Dermatology		Dermatology	Otolaryngology
All	12-1	Surgery	Medicine	Neurology		Surgery	Medicine

SUMMARY OF REQUIRED COURSES

	Lectures and Recitations	Laboratory	Clinics	Subject Totals	Department Totals
ANATOMY	64	480		544	874
HISTOLOGY AND EMBRYOLOGY	64	170		243	
ANATOMY OF THE NERVOUS SYSTEM	16	80		96	
CHEMISTRY—ORGANIC	48	60		108	
PHYSIOLOGICAL	48	120		168	276
PHYSIOLOGY	144	120		264	264
PHARMACOLOGY	32	160		192	272
THERAPEUTICS	48		32	80	
PATHOLOGY	128	120		248	400
BACTERIOLOGY	32	120		152	
MEDICINE	192	60	270	522	969
PEDIATRICS	64		96	160	
NEUROLOGY AND PSYCHIATRY	64	20	84	168	
DERMATOLOGY, SYPHILOLOGY	32		28	60	
JURISPRUDENCE, ETHICS AND ECONOMICS	32			32	
ROENTGENOLOGY	3		27	30	
SURGERY	160	64	268	492	772
ORTHOPEDIC SURGERY	16		12	28	
UROLOGY	16		36	52	
OPHTHALMOLOGY	48		32	80	
RHINOLOGY, LARYNGOLOGY AND OTOLOGY	48		32	80	
PROCTOLOGY	16		24	40	
OBSTETRICS	96	30	64	190	190
GYNECOLOGY	72		56	128	128
PREVENTIVE MEDICINE AND PUBLIC HEALTH	80		76	156	156
TOTALS	1563	1604	1137	4304	4304

Matriculation and Registration

Every new student is required to matriculate with the Secretary, and every student is required to register at the beginning of each college session.

Matriculation includes the presentation of a medical student's certificate from the Michigan State Board of Registration in Medicine and the payment of the matriculation fee.

Registration includes the payment of the required fees. Students are not allowed to enter any class except upon presentation of registration cards.

This College reserves the right to refuse admission to any student or to terminate the attendance of any student, at any time for what may appear to the Board of Trustees to be good and sufficient cause, such as incompetency, conduct unbecoming a gentleman, or conduct not conducive to the morale of the class or institution; also, to refuse a student the privilege of a special or final examination for cause.

Any student who shall be caught cheating in examinations shall be suspended for at least one year, and he shall be permanently expelled at the discretion of the Executive Board.

Fees

Matriculation Fee (payable only once on entrance)	$ 5.00
*Annual Tuition Fee	150.00
Graduation Fee (to be paid on or before February 1st preceding graduation)	30.00
Tuition Fee—Fifth Year Course (Public Health)	50.00
Diploma Fee—Fifth Year Course (Master of Public Health)	10.00

Other fees for Elective and Post-Graduate courses will be arranged by the Dean and the Head of the Department.

All fees must invariably be paid in advance and no promissory notes will be received or reductions made.

Fees are not returnable and tickets are not transferable.

The College reserves the right to change the tuition fee and other fees for each succeeding session.

*For all students registered before the session of 1914-1915 the annual fees are the same as during 1913-1914.

A deposit will be required to cover cost of unnecessary breakage of apparatus or waste and loss of materials in the several laboratories. The balance will be returned at the end of the course.

BOOKS, INSTRUMENTS AND MICROSCOPES.

Students must come prepared to purchase the necessary books, instruments and microscopes.

Books will cost from $20 to $40 a year.

The dissecting outfit required for use in the Anatomical Laboratory costs $5.00.

Every student will be required to furnish his own microscope. These can be purchased through the Bursar by paying four annual installments of $16.25 each. If paid at once, a discount of 10 per cent. will be allowed.

Rules Governing Promotion and Classification

1. Regular examinations shall be those given at the completion of each course. Special examinations shall not be valid except upon recommendation or approval of the Committee on Examinations.

2. The passing grade is 75%.

3. A standing of 60% or more but less than 75% shall constitute a condition. A standing of 59% or less shall be considered a failure.

4. No student shall be promoted to the next highest class, against whom there are standing conditions and failures amounting to 25% or more of the total hours of the year just completed.

5. No student may be classified as a Sophomore until all entrance conditions are removed.

No student may be classified as a Junior until all Freshman conditions are removed.

No student may be classified as a Senior until all Sophomore conditions are removed.

No Senior can be a candidate for graduation unless he be free of all conditions at the opening of the second semester.

6. Students seeking readmission after interrupting their course must comply with the rules and pass in all the subjects completed by the class which they seek to enter. If the interruption is not more than one year, the student will be readmitted to the standing he had on leaving, but if any new subjects have been introduced meantime he will be required to pass in these and meet any new entrance requirements exacted of the class he seeks to enter.

If the interruption is of three or four years, he must drop back and repeat the work of one year; if of five years he must repeat two years; if longer than five years, no time credit will be given for the previous attendance except by special vote of the Faculty.

Rules Regarding Failures and Removal of Conditions

1. A student who shall have failed in a course must repeat that course. Such repetition of work may be done: (a) in the regular course given to the next class, (b) in approved summer courses, or (c) under a tutor approved by the Head of the department concerned.

2. After receiving a condition or repeating a course a student must take the next examination, regular or supplementary. Supplementary examinations for the first, second and third year courses will be given on the second Saturday after the opening of the regular session.

3. A conditioned student who is absent from the supplementary examination may, at the discretion of the Committee on Examination, take a special examination. These special examinations entail a fee of $5.00 for a major course and $3.00 for a minor course.

4. A student who shall have received a condition—a grade less than 75%—at a supplementary or special examination, must repeat that course.

5. A student who fails in 15% or more of the total hours of the year just completed, must repeat all the work of that year.

Requirements for Graduation

In order to graduate from this college and receive the degree of Doctor of Medicine a student must fulfill the following requirements:

1. He must be at least 21 years of age and of good moral and professional character.

2. He must have matriculated and presented evidence of preliminary education in accordance with the requirements of this college.

3. He must have attended not less than 80 per cent of the exercises in each of four regular courses of study in four calendar years in accredited medical schools, the last year's course at least having been in this college.

4. He must have satisfactorily completed all the required courses given in this college, or their equivalent, at the time of graduation.

5. He must have paid all his fees in full.

6. He must personally attend the Commencement at which his degree is conferred.

7. Candidates for the degree who have once failed to graduate shall be required to repeat their attendance on such courses and complete such work as the Faculty may direct.

Medical Practice in Michigan

Before beginning the practice of Medicine in Michigan a license must be procured from the State Board of Registration in Medicine. The Board will grant certificates of registration upon compliance with the following conditions:

(a) The applicant must show that he had fulfilled the minimum standard of preliminary education before beginning his course in medicine.

(b) He must have a diploma from a recognized college of medicine.

(c) He must pass a satisfactory medical examination.

Regular examinations are begun on the second Tuesday in June and October of each year and continued three days. Both primary and final examinations may be completed at one session or the primary only may be taken after completion of the second year's work in an approved medical college. The examination fee is $25.00—$10.00 for the primary and $15.00 for the final examination.

By special arrangement the Board will hold special examinations during the week of Commencement for the accommodation of our students.

Reciprocity

Through reciprocity, the passing of examinations of the Michigan State Board of Registration in Medicine and subsequent licensure give students the privilege of registering for practice in certain other States without further examination.

Michigan has now reciprocity with the following States upon certificates issued after graduation from an accredited college and a State Board examination: District of Columbia, Illinois, New Jersey, North Dakota, Pennsylvania, Virginia, and Wyoming.

Reciprocity is had with the following States on the basis either of an accredited diploma issued prior to the requirement of a State examination test in the State in which endorsement is sought, or of an accredited diploma and State Board examination: Arkansas, California, Colorado, Georgia, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Mary-

land, Minnesota, Mississippi Missouri, Nebraska, Nevada, New Hampshire, Ohio, Oklahoma, South Carolina, Tennessee, Texas, Utah, Vermont, West Virginia, and Wisconsin.

Further details may be obtained from B. D. Harison, M. A., M. D., 504 Washington Arcade, Detroit.

Graduates, Detroit College of Medicine and Surgery
June 3, 1915

DOCTOR OF MEDICINE.

James A. Belyea.....Toledo, Ohio
T. H. Edward Best.....Detroit
Ralph H. Bookmyer.....Detroit
Donald A. Cameron.....Traverse City
Bruce D. Campbell.....Brown City
Frank V. Carney.....LaGrange, Indiana
James G. Carr.....Detroit
Glenn L. Coan.....Wyandotte
Cuthbert E. DeMay.....Jackson
James J. Dreak.....Arthur, Ontario
George A. Drescher.....Kawkawlin
Erwin Eveleth, Jr.....Corunna
Ray L. Fellers.....Harrietta
Milton P. Fisher.....Detroit
Charles P. Fisher.....Detroit
Charles T. Foo.....Howell
Fred W. Gottschalk.....Capac
Robert I. Greenidge.....Georgetown, British Guiana
Earl R. Harris.....Kingsville, Ontario
Morrell M. Jones.....Imlay City
Lester F. Kennedy.....North Branch
Frederick Kline.....Homer
Joseph G. Knapp.....Wyandotte
Abraham Kovinsky.....Windsor, Ontario

CARL N. LARSEN.....Alpena
STANLEY J. LASSALINE.....Sandwich, Ontario
WILLIAM W. MACGREGOR.....Detroit
THOMAS B. MARSDEN.....Detroit
ALEXANDER M. MARTIN.....Jenison
FRED C. MUSSER.....LaGrange, Indiana
FORREST R. OSTRANDER.....Grand Marais
VRATISLAV J. PLHAK.....Detroit
HARRY O. POPE.....Bothwell, Ontario
GEORGE K. PRATT.....Detroit
WYNAND K. PYLE.....Detroit
OSTA M. RANDALL.....Lansing
EARL A. RANNEY.....Pontiac
STANLEY A. STEALEY.....Charlotte
HUGH A. SULLIVAN.....Detroit
BUELL H. VANLEUVEN.....Mt. Pleasant
JOHN JENNINGS WATTS.....Thamesville, Ontario
FREDERIC S. WILSON.....Detroit
WILLIAM P. WOODWORTH.....Detroit
GLENN R. YOUNG.....Corunna
JAMES P. YOUNG.....Muskogee, Oklahoma
ROSS L. ZIMMERMAN.....Albion, Nebraska

MASTER OF PUBLIC HEALTH

DON M. GRISWOLD, M. D.....Detroit

GRADUATES, JUNE 8, 1916

DOCTOR OF MEDICINE

HERMAN F. ALBRECHT.....Detroit
THOMAS G. AMOS.....Henderson
HORACE H. ARD.....Detroit
SAUL BARNETT.....Detroit
DON C. BARTHOLOMEW.....Mongo, Indiana
HORACE K. BECKWITH.....Toledo, Ohio
CLARENCE H. BELKNAP.....Vandalia, Illinois
HENRY R. BOYES.....Detroit
FREDERICK E. BURLESON.....Detroit
LOWELL M. BUSH.....Detroit
JOHN M. CALDWELL.....Evart

Don A. Cohoe ..... Detroit
Edward L. Collins ..... Detroit
Samuel S. Danziger ..... Detroit
Harry J. Defnet ..... Escanaba
Frederick E. Dodds ..... North Branch
Berman Dunham ..... Detroit
William Hamilton, M. B. ..... Toronto
Carl Hanna ..... Detroit
Winfred B. Harm ..... Detroit
C. Harold Heffron ..... Metamora, Ohio
Ray W. Hughes ..... Augusta
William H. M. Johnston ..... Windsor, Ontario
Rudolph H. Lambert ..... Calumet
Paul H. Lippold ..... Escanaba
Edwin Lorentzen ..... Detroit
Arthur McArthur ..... Lapeer
Simon L. McHugh ..... Windsor, Ontario
Arthur A. McNabb ..... Elkton
Earl W. May ..... Detroit
Guy C. Matthewson ..... Battle Creek
Frank MacKenzie ..... Detroit
John J. Miller ..... Berlin
Burton M. Mitchell ..... Parkhill, Ontario
Fred N. Morford ..... Traverse City
Charles R. Mueller ..... Detroit
Albert R. Pearce ..... Dollar Bay
Vern N. Richeson ..... Gladwin
Carl J. Robertson ..... Litchfield, Minnesota
Victor F. Ryan ..... Escanaba
William G. Schlegelmilch ..... Detroit
Lyle O. Shaw ..... Dawson City, Yukon
Hirsch H. Shilkovsky ..... Detroit
Charles A. Teifer ..... Trenton
Carroll S. Thomson ..... Fayette, Ohio
Roland E. Toms ..... Detroit
Cyril K. Valade ..... New Baltimore
Gerrit J. Warnshuis ..... Holland

MASTER OF PUBLIC HEALTH

G. W. P. Johnson, M. D. ..... Savannah, Georgia

MATRICULATES, DETROIT COLLEGE OF MEDICINE AND SURGERY, 1916-1917

CLASS OF 1917

FOURTH YEAR.

WILLIAM E. BEATTY.....Brown City
LAWRENCE H. BECELAERE.....Detroit
H. A. BECK.....Detroit
JACOB M. BERRIS.....Adrian
ISADORE BITTKER.....Detroit
DELBERT R. BLENDER.....Cadillac
PAUL W. BLOXSOM.....Manton
JOHN J. BLUE.....Columbiaville
R. GORDON BRAIN.....Walkerville, Ontario
REGINALD S. BRAIN.....Walkerville, Ontario
RUSSELL D. BROWN.....Windsor, Ontario
GEORGE H. CAMPAU.....Detroit
ISIDORE M. CHERNIAK.....Windsor, Ontario
JOS. EDWARD CIPRIAN.....Detroit
ROBERT COWEN.....Harrisburg, Pennsylvania
EDWARD S. CRUMP.....Windsor, Ontario
DANIEL R. DONOVAN.....Detroit
ELMER A. DROLSHAGEN.....Detroit
ARTHUR W. ERKFITZ.....Detroit
NATHANIEL FRANK.....Detroit
DWIGHT GOODRICH.....Detroit
SIMPSON W. GREEN.....Detroit
GEORGE F. HALE.....Detroit
J. WARD HAWKINS.....Rives Junction
WILLIAM E. HENDERSON.....Detroit
M. MILTON HYMAN.....Detroit
H. H. JACKSON, JR.....Eagle Lake, Texas
WILLIAM J. KANE.....Dowagiac
EDWARD D. KING.....Flat Rock
CHESTER S. KLOEPPEL.....Detroit
WILLIS C. KOOLS.....Flint
ALBERT H. KROHN.....Detroit
ALFRED C. LABINE.....Laurium
HARTMAN A. LICHTWARDT.....Detroit
WILLIAM T. MCALONAN.....Detroit
MIAR J. MCLAUGHLIN.....Jackson
JOSEPH E. MALCOMSON.....Detroit
CHARLES G. MILLER.....LaGrange, Indiana

Stephen G. Mollica ..... Albion
John D. Monroe ..... Pontiac
John W. Moore ..... Atlanta, Georgia
Louis J. Morand ..... Tecumseh, Ontario
Arthur A. Neubauer ..... Buffalo, New York
Frederick D. Neubauer ..... Buffalo, New York
Arthur W. Newitt ..... Windsor, Ontario
Harry J. Noble ..... Detroit
George W. Palm ..... Detroit
Guy A. Parillo ..... Girard, Ohio
Herbert F. Robb ..... Belleville
Charles W. Sellers ..... Akron
William L. Sherman ..... Detroit
John N. Slattery ..... Bay City
Albert G. Staines ..... Detroit
Elmer C. Texter ..... Monroe, Pennsylvania
Clarence E. Truesdell ..... Denton
Raymond G. Tuck ..... Marlette
Roy D. Tupper ..... Redford
Theodore P. VanderZalm ..... Grand Haven
Milton D. Vokes ..... Detroit
Clayton G. Woodhull ..... Kinde
Carl R. Zolliker ..... Detroit

CLASS OF 1918

THIRD YEAR.

F. T. Andrews ..... Adrian
A. U. Axelson ..... Hancock
S. Baldyga ..... Russian Poland
H. O. Brush ..... Amherstburg, Ontario
C. H. Crandell ..... Standish
C. L. Dance ..... Detroit
R. S. Dixon ..... Grand Ledge
L. W. Drouillard ..... Wyandotte
R. G. Ferris ..... Detroit
L. C. Harvie ..... Maple Ridge
C. E. Hebard ..... Grand Rapids
C. I. Herrington ..... Bad Axe
J. H. Howell ..... Detroit
F. D. Jackson ..... Hicksville, Ohio
G. M. LeGallee ..... Detroit

S. M. LEWINSTEIN ..... Detroit
A. R. MARSH ..... Detroit
A. J. MCCUSKER ..... Minneapolis, Minnesota
H. A. MEINECKE ..... Holyrood, Kansas
C. V. MERRITT ..... Detroit
L. N. MOWRY ..... Bronson
W. J. MUELLENHAGEN ..... Detroit
G. M. MURRAY ..... Detroit
H. F. RAYNOR ..... Highland Park
I. J. SIWKA ..... Detroit
C. E. TAYLOR ..... Detroit
I. TOWLEN ..... Detroit

CLASS OF 1919

SECOND YEAR.

L. K. ALLEN ..... Detroit
R. W. ALLES ..... Detroit
A. BOYAJIAN ..... Petoskey
E. H. CARROLL ..... Brown City
E. A. COOK ..... Fenton
L. F. COTRURO ..... Detroit
J. M. CROMAN, JR ..... Mt. Clemens
T. S. DAVIES ..... Detroit
C. A. DOTY ..... Detroit
G. H. DOYLE ..... Marlette
A. C. EDGERTON ..... Cass City
N. K. HAMADA ..... Detroit
B. L. HOWARD ..... Detroit
D. M. HOWELL ..... Detroit
J. A. KASPER ..... Detroit
N. O. LAMARCHE ..... Richmond
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E. D. MACKENZIE ..... Detroit
H. L. MARTIN ..... Windsor, Ontario
H. A. MEINKE ..... Detroit
I. NATHAN ..... Detroit
W. F. NILL ..... Detroit
C. F. OMAN ..... Detroit
F. S. OSTERHELD ..... Stoughton, Wisconsin
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C. S. RATIGAN ..... Detroit

E. F. Runge ..... Detroit
Manuel Soto ..... Fajardo, P. R.
C. T. Stubbs ..... Brown City
J. H. Wax ..... Detroit
W. W. Willson ..... Detroit

SPECIAL STUDENTS

Edward Frumveller ..... Detroit
Charles S. Kennedy ..... Detroit
Dr. B. J. Sawicki ..... Detroit
A. G. Shiell ..... Ontario
Charles Sziklas ..... Detroit
M. Tabinski ..... Detroit
Frank D. B. Waltz ..... Detroit

SUMMARY.

Graduates, 1916	48
Class of 1917	58
Class of 1918	26
Class of 1919	31
Special Students	7
Total	170

Class Officers

1915-1916

CLASS OF 1916

President ..... M. G. Schlegelmilch
Vice-President ..... C. R. Miller
Secretary and Treasurer ..... S. S. Danziger
Editor ..... T. G. Amos
Valedictorian ..... R. M. Hughes
Sergeant-at-Arms ..... M. B. Harm
Associate Editor ..... C. K. Valade

CLASS OF 1917

FOURTH YEAR.

President.....M. J. KANE
Vice-President.....C. G. MILLER
Treasurer.....J. J. BLUE
Secretary.....H. F. ROBB
Editor.....R. L. COWEN
Chaplain.....C. R. ZOLLIKER

CLASS OF 1918

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Vice-President.....R. G. FERRIS
Secretary.....H. A. MEINECKE
Treasurer.....C. I. HERRINGTON
Editor.....ISADORE TOWLEN

CLASS OF 1919

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Vice-President.....C. E. DOYLE
Secretary.....W. F. NILL
Treasurer.....J. A. KASPER
Editor.....C. S. RATIGAN

Student Council

1915-1916

OFFICERS.

President.....C. J. ROBERTSON
Vice-President.....J. MALCOMSON
Secretary.....C. E. TAYLOR
Treasurer.....F. S. OSTERHELD

MEMBERS.

Senior Class..... C. J. ROBERTSON, C. HANNA, C. K. VALADE

Junior Class..... J. N. SLATTERY, J. E. MALCOMSON

Sophomore Class..... R. S. DIXON, C. E. TAYLOR

Freshman Class..... THOMAS DAVIES, F. S. OSTERHELD

Athletic Association

1915-1916

OFFICERS.

Faculty Director of Athletics.....WILLIAM E. KEANE, M. D.
President .....
Secretary.....HARRY H. JACKSON, 1917
Treasurer.....JAMES W. HAWKINS, 1917

BASKET BALL TEAM

1915-1916.

WILLIAM T. MCALONAN, 1917 (Captain)
WILLIAM E. HENDERSON, 1917
ARTHUR W. ERKFITZ, 1917
JAMES W. HAWKINS, 1917
JOHN D. MONROE, 1917
ROBERT COWEN, 1917
HELMUTH A. MEINECKE, 1918
ANDREW C. EDGERTON, 1919
WILLIAM LARUE SHERMAN, 1917 (Manager)

Alumni Association

The Alumni Association includes the Alumni of the two Colleges, which were united in 1885 to form the Detroit College of Medicine, as well as the graduates since that time.

Its object is to establish and maintain communication and goodfellowship between its members, to assist in all matters involving the welfare of the College, the maintenance of a high standard of scholarship, and the increase of its sphere of usefulness. Its official communications in such matters are prized by the government of the College.

The annual meeting is held on the day of the annual Commencement. Yearly dues, including subscription to the Leucocyte, the official organ of the Association, are $2.00.

All Alumni are requested to send their present address to the Secretary of the College, and notice of any change of residence or other items of interest.

OFFICERS FOR 1916-1917

WILLIAM M. DONALD ..... *Honorary President*
WALTER J. WILSON ..... *President*
R. C. BUCHANAN ..... *Vice-President*
CHARLES W. HUSBAND ..... *Financial Secretary*

EXECUTIVE COMMITTEE.

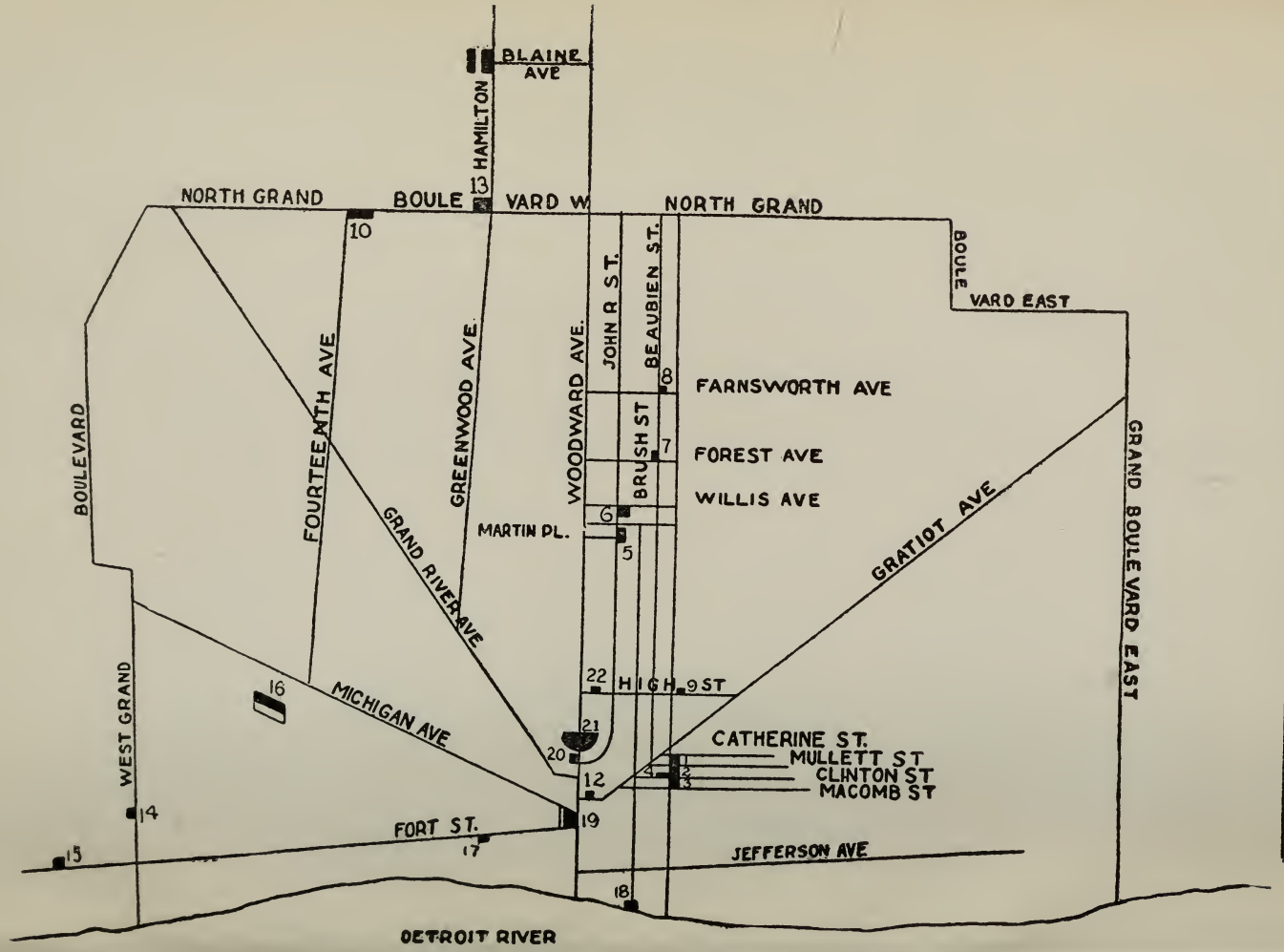
A. D. McALPINE H. A. LUCE A. E. McMURDIE
R. L. CLARK JAMES E. CASEY ROBERT C. JAMIESON
E. L. ROBINSON ..... *Editor of "Thee Leucocyte"*
A. B. TOAZ ..... *Business Manager*

CLINIC WEEK.

In 1898 the Alumni Association of the Detroit College of Medicine founded "Clinic Week," a week of special medical clinics by the Faculty and a few non-resident specialists of national reputation, which all Alumni of the College were particularly invited to attend. The annual program has now become an institution, not only in Detroit, but also in other medical centers. The annexed program of May 26-June 3, 1915, indicates the character of the annual "Clinic Week."

ALUMNI CLINIC WEEK PROGRAM—MAY 26 TO JUNE 3, 1915

TIME	WEDNESDAY MAY 26 Harper Hospital	THURSDAY MAY 27 St. Mary's Hospital	FRIDAY MAY 28 Harper Hospital	SATURDAY MAY 29 St. Mary's Hospital	MONDAY MAY 31 Harper Hospital	TUESDAY JUNE 1 St. Mary's Hospital	WEDNESDAY JUNE 2 Harper Hospital	THURSDAY JUNE 3 St. Mary's Hospital
9 to 10	Dr. C. G. Jennings Internal Medicine	Dr. F. B. Walker Bone Surgery	Dr. G. E. McKean Clinic Internal Medicine	Professor Arthur R. Elliott Chicago Cardiac Diseases	Dr. John N. Bell Twilight Sleep in Labor	Dr. W. M. Donald Clinic Internal Medicine	Dr. L. J. Hirschman Local Anaesthesia in Rectal Surgery	Dr. F. W. Robbins Clinic Urology
10 to 11	Dr. Max Ballin Clinic Surgery	Dr. A. P. Biddle Clinic Dermatology	Dr. Don M. Campbell Eye and Ear		Dr. Angus McLean Surgery of the Thyroid	Dr. Stanley G. Miner Pleurisy	Dr. J. H. Carstens Clinic Gynecology	Dr. Eugene Smith Clinic Eye and Ear
11 to 1	Professor Wm. B. Coley New York Differential Diagnosis of Sarcoma of the Long Bones	Professor E. C. Rosenow Chicago Streptococcus Viridans	Dr. Asa B. Davis Clinic Obstetrics	Professor Samuel W. Kelley Cleveland Cleft Palate and Hare Lip, with special emphasis on the time to operate, choice of operation and after care	Professor Chas. Ogilvy, New York Acquired Static Deformities with special emphasis on early Diagnosis	Professor W. H. Robey Boston Reserve Force of the Heart, Arhythmia, Significance of Diastolic Murmur	Professor Daniel Eisendrath Chicago Clinic Kidney and Ureter	Dr. F. F. Lawrence Columbus, Ohio Abdominal Diagnosis
1:30 to 4:30	Section Clinics Surgery Dr. F. N. Blanchard Dermatology Dr. R. C. Jamieson Gynecology Dr. B. R. Schenck Eye and Ear Dr. G. E. Frothingham Neurology Dr. Wesley E. Taylor Pediatrics Dr. W. D. Ford Urology Dr. F. H. Cole Laboratory Dr. P. F. Morse	Section Clinics Surgery Dr. W. J. Seymour Medicine Dr. T. A. McGraw, Jr. Eye and Ear Dr. R. W. Gillman Gynecology Dr. Howard Coll Dermatology Dr. R. A. C. Wollenberg Nose, Throat and Chest Drs. S. G. Miner J. E. Casey R. G. Shaw Laboratory Dr. F. W. Baeslack	Section Clinics at Grace Hospital Surgery Dr. H. W. Hewitt Nose and Throat Dr. Harold Wilson Surgery Dr. G. P. Myers Dermatology Dr. R. H. Stevens Surgery Dr. J. B. Kennedy	Buffet Luncheon at Herman Kiefer Hospital at 1:30 Clinic at Herman Kiefer Hospital 2:50 to 5 Infectious Diseases Dr. Guy L. Kiefer Dr. V. C. Vaughan Jr.	Section Clinics Surgery Dr. A. W. Blain Medicine Dr. F. G. Buesser Dermatology and Syphilis Dr. H. R. Varney Obstetrics Dr. G. J. Anderson Roentgenology Dr. P. M. Hickey Laboratory Dr. P. F. Morse	Section Clinics at Children's Free Hospital Pediatrics Dr. A. D. Holmes Orthopedics Dr. Daniel LaFerte Dr. A. D. LaFerte Pediatrics Dr. B. R. Hoobler Nose and Throat Dr. B. R. Shurly	2:00 P. M. Laboratory Demonstration at Parke. Davis & Co. Boat Ride Str. Tashmoo Annual Meeting and Election of Officers on board the boat Complimentary Dinner by Dr. Alexander W. Blain	Section Clinics Surgery Dr. J. H. Andries Medicine Dr. N. L. Hoskins Roentgenology Dr. G. C. Chene Urology Dr. W. E. Keane Eye and Ear Dr. Robt. Beattie Laboratory Dr. F. W. Baeslack
9 p. m.			Open House at the David Whitney Building	Smoker, Vaudeville and Lunch at Wayne County Medical Society Building Guests of D. C. of M. & S. Alumni Association	Guests of the Wayne County Medical Society Dr. Charles Oglivy	Class Reunions 1870 1885 1900 1875 1890 1905 1880 1895 1910		Graduating Exercises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HAMILTON
NORTH GRAND BOULEVARD W
NORTH GRAND BOULEVARD EAST
BOULEVARD
FOURTEENTH AVE
GREENWOOD AVE.
WOODWARD AVE.
JOHN R ST.
BEAUBIEN ST.
FARNSWORTH AVE
BRUSH ST
FOREST AVE
WILLIS AVE
MARTIN PL.
GRAND RIVER AVE
GRATIOT AVE
GRAND BOULEVARD EAST
WEST GRAND
MICHIGAN AVE
HIGH ST
CATHERINE ST.
MULLETT ST
CLINTON ST
MACOMB ST
FORT ST.
JEFFERSON AVE
DETROIT RIVER
10
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4

Map of Detroit Hospitals Affiliated with the Detroit College of Medicine and Surgery

No. 1 Detroit College of Medicine and Surgery.
No. 2 St. Mary's Hospital and Free Dispensary.
No. 3 Detroit City . Hospital.
No. 4 Detroit Board of Health.
No. 5 Harper Hospital and Out-Patient Department.
No. 6 Grace Hospital and Free Dispensary.
No. 7 Woman's Hospital.
No. 8 Children's Free Hospital.
No. 9 Schloss Memorial Dispensary.
No. 10 Providence Hospital.
No. 11 Herman Kiefer Hospital.
No. 12 Detroit Public Library.
No. 13 Detroit (General) Hospital.
No. 14 Miriam Memorial Hospital.
No. 15 St. Luke's Hospital.
No. 16 Michigan Central Depot.
No. 17 Union Depot.
No. 18 Brush St. G. T. R. R. Depot.
No. 19 City Hall.
No. 20 Washington Arcade.
No. 21 Grand Circus Park.
No. 22 Wayne County Medical Society Building.

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All Inquiries and Applications Should be Addressed to

DR. J. H. HATHAWAY

Detroit College of Medicine and Surgery

Detroit, Mich.

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